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## **TC 3700 Inventor Search Program**

See attached inventor searches for applications and/or patents to help resolve questions of overlapping subject matter. These searches are provided as an initial examination aid: examiners should perform updated or expanded PALM or EAST inventors searches as appropriate.

**Serial Number:** 10511140

1.) See <u>attached</u> printout of inventors listed in PALM

2.) See <u>attached</u> EAST Inventor Search Printout shows Inventor search terms

| US                      | US-          | 20060223 | Modular pouch machine   | 493/3     |                            | Wied; Randy C. et al.                   |
|-------------------------|--------------|----------|---|-----------|----------------------------|---|
| 20060040815<br>A1       | PGPUB        | 20000223 | - Iviodului podeli ilideliilie  | 19373     |                            | wied, Randy C. et al.                   |
| US<br>20060022310<br>A1 | US-<br>PGPUB | 20060202 | Electrical assembly with internal memory circuitized substrate having electronic components positioned thereon, method of making same, and information handling system utilizing same | 257/642   |                            | Egitto; Frank D. et al.                 |
| US<br>20060022303<br>A1 | US-<br>PGPUB | 20060202 | Circuitized substrate with internal organic memory device, method of making same, electrical assembly utilizing same, and information handling system utilizing same                  | 257/532   | 257/642; 438/3;<br>438/780 | Desai; Subahu D. et al.                 |
| US<br>20050273745<br>A1 | US-<br>PGPUB | 20051208 | Determining feasibility of IC edits   | 716/11    | 716/2; 716/4; 716/5        | Bach, John M. et al.                    |
| US<br>20050253424<br>A1 | US-<br>PGPUB | 20051117 | CONVERTIBLE FURNITURE SYSTEM COMPRISED OF MODULAR CONVERTIBLE BOX FRAMES AND METHODS OF FORMING VARIOUS FURNITURE CONFIGURATIONS THEREFROM  | 297/119   |                            | Thomas, David L. et al.                 |
| US<br>20050224985<br>A1 | US-<br>PGPUB | 20051013 | Circuitized substrate, method of making same, electrical assembly utilizing same, and information handling system utilizing same  | 257/762   |                            | Japp, Robert et al.                     |
| US<br>20050216814<br>A1 | US-<br>PGPUB | 20050929 | CRC data protection scheme for non-block-oriented data  | 714/758   |                            | Thomas, David                           |
| US<br>20050197454<br>A1 | US-<br>PGPUB | 20050908 | Substituted polyphenylenes via supported transition metal catalysis   | 525/86    |                            | Thomas, David B. et al.                 |
| US<br>20050195585<br>A1 | US-<br>PGPUB | 20050908 | Circuitized substrate with signal wire shielding, electrical assembly utilizing same and method of making   | 361/794   |                            | Lauffer, John M. et al.                 |
| US<br>20050172506<br>A1 | US-<br>PGPUB | 20050811 | Machine adaptation  | 33/561    |                            | Collingwood, David et al.               |
| US<br>20050158314<br>A1 | US-<br>PGPUB | 20050721 | Method of therapeutic administration of anti-CD40L compounds  | 424/144.1 |                            | Kalled, Susan L. et al.                 |
| US<br>20050144124<br>A1 | US-<br>PGPUB | 20050630 | Systems and methods for providing a benefit product with periodic guaranteed minimum income   | 705/39    |                            | Stiff, Geoffrey S. et al.               |
| US<br>20050133257<br>A1 | US-<br>PGPUB | 20050623 | Printed circuit board with low cross-talk noise   | 174/262   | 29/846                     | Lauffer, John M. et al.                 |
| US<br>20050118492       | US-<br>PGPUB | 20050602 | Fuel-cell reactant delivery and circulation device  | 429/39    | 429/34; 429/38             | Lundsgaard, Jorgen<br>Schjerning et al. |

| Al                      | l            |          |  | <u> </u>  |   |                             |
|-------------------------|--------------|----------|--|-----------|---|-----------------------------|
| US<br>20050118489<br>A1 | US-<br>PGPUB | 20050602 | Modified gas outlet for improved reactant handling in fuel cell separator plates                   | 429/38    | 429/39  | Frederiksen, Henning et al. |
| US<br>20050118166<br>A1 | US-<br>PGPUB | 20050602 | Therapeutic applications for the anti-T-BAM (CD40-1) monoclonal antibody 5C8                       | 424/141.1 | 424/144.1   | Yellin, Michael J. et al.   |
| US<br>20050100642<br>A1 | US-<br>PGPUB | 20050512 | Thermally processed meat products  | 426/281   |   | Thomas, David J. et al.     |
| US<br>20050095329<br>A1 | US-<br>PGPUB | 20050505 | Method and apparatus of coating articles   | 426/302   |   | Sanders, Nigel Hugh et al.  |
| US<br>20050080913<br>A1 | US-<br>PGPUB | 20050414 | Method and system for querying information from a switch by a server in a computer network         | 709/230   |   | Thomas, David Andrew        |
| US<br>20050076214<br>A1 | US-<br>PGPUB | 20050407 | Method and system for file downloads to portable computing devices                                 | 713/170   | 705/52; 713/187   | Thomas, David Andrew et al. |
| US<br>20050076210<br>A1 | US-<br>PGPUB | 20050407 | Method and system for content<br>downloads via an insecure<br>communications channel to<br>devices | 713/165   |   | Thomas, David Andrew et al. |
| US<br>20050046157<br>A1 | US-<br>PGPUB | 20050303 | Passenger air bag module with cover coupling mechanism   | 280/728.3 |   | Thomas, David E.            |
| US<br>20050006808<br>A1 | US-<br>PGPUB | 20050113 | Method for inline production of smooth surface board   | 264/119   |   | Thomas, David W.            |
| US<br>20050005439<br>A1 | US-<br>PGPUB | 20050113 | Coupling of conductive vias to complex power-signal substructures                                  | 29/852    | 174/255; 174/260;<br>174/265; 29/831;<br>29/832                 | Carpenter, Karen et al.     |
| US<br>20050003941<br>A1 | US-<br>PGPUB | 20050106 | Modular pouch machine  | 493/213   |   | Wied, Randy C. et al.       |
| US<br>20040257529<br>A1 | US-<br>PGPUB | 20041223 | System and method for reconstruction of aberrated wavefronts                                       | 351/205   |   | Thomas, David               |
| US<br>20040252200<br>A1 | US-<br>PGPUB | 20041216 | Vertical compensation in a moving camera   | 348/208.4 | 348/208.2;<br>348/208.99  | Thomas, David               |
| US<br>20040245636<br>A1 | US-<br>PGPUB | 20041209 | FULL REMOVAL OF DUAL DAMASCENE METAL LEVEL   | 257/758   | 257/E21.582;<br>257/E23.167                                     | Cooney, Edward C III et al. |
| US<br>20040231888<br>A1 | US-<br>PGPUB | 20041125 | High speed circuit board and method for fabrication  | 174/266   | 174/255;<br>257/E23.173;<br>257/E25.011;<br>257/E25.012; 29/830 | Chan, Benson et al.         |
| US<br>20040222621<br>A1 | US-<br>PGPUB | 20041111 | Air bag module diffuser  | 280/740   |   | Thomas, David E.            |
| US<br>20040194040<br>A1 | US-<br>PGPUB | 20040930 | Method of cross-mapping integrated circuit design formats  | 716/4     |   | Joshi, Hemant et al.        |
| US                      | US-          | 20040930 | Digital micromirror device having  | 359/361   | 359/350; 359/355  | Williams, Roy E. et al.     |

| 20040190127<br>A1       | PGPUB        |          | a window transparent to<br>ultraviolet (UV) light   |            |   |                              |
|-------------------------|--------------|----------|---|------------|---|------------------------------|
| US<br>20040163586<br>A1 | US-<br>PGPUB | 20040826 | Method and apparatus of coating articles  | 118/68     | 118/325   | Sanders, Nigel Hugh et al.   |
| US<br>20040151864<br>A1 | US-<br>PGPUB | 20040805 | Method of manufacture for stitchless garment  | 428/58     | 156/304.3   | Thomas, David                |
| US<br>20040150969<br>A1 | US-<br>PGPUB | 20040805 | High speed circuit board and method for fabrication   | 361/792    | 257/E23.173;<br>257/E25.011;<br>257/E25.012                                 | Chan, Benson et al.          |
| US<br>20040148444<br>A1 | US-<br>PGPUB | 20040729 | Method and system for optimizing resources  | 710/44     |   | Thomas, David et al.         |
| US<br>20040142565<br>A1 | US-<br>PGPUB | 20040722 | Single and multilevel rework  | 438/689    | 257/E21.576;<br>257/E21.579;<br>257/E21.595;<br>257/E23.146;<br>257/E23.167 | Cooney, Edward C. III et al. |
| US<br>20040093430<br>A1 | US-<br>PGPUB | 20040513 | Method and system for managing communication in a computer network using aliases of computer network addresses            | 709/245    |   | Thomas, David Andrew         |
| US<br>20040093425<br>A1 | US-<br>PGPUB | 20040513 | Method and system for managing fragmented information packets in a computer network                                       | 709/236    |   | Thomas, David Andrew         |
| US<br>20040093416<br>A1 | US-<br>PGPUB | 20040513 | Method and system for reestablishing connection information on a switch connected to plural servers in a computer network | 709/227    |   | Thomas, David Andrew         |
| US<br>20040093415<br>A1 | US-<br>PGPUB | 20040513 | Method and system for managing connections in a computer network  | 709/227    |   | Thomas, David Andrew         |
| US<br>20040093406<br>A1 | US-<br>PGPUB | 20040513 | Method and system for predicting connections in a computer network  | 709/224    | 709/225   | Thomas, David Andrew et al.  |
| US<br>20040090966<br>A1 | US-<br>PGPUB | 20040513 | Method and system for communicating information between a switch and a plurality of servers in a computer network         | 370/395.52 |   | Thomas, David Andrew         |
| US<br>20040082108<br>A1 | US-<br>PGPUB | 20040429 | Method of making an electronic package  | 438/108    | 257/E23.069;<br>257/E23.077   | Thomas, David L. et al.      |
| US<br>20040067982<br>A1 | US-<br>PGPUB | 20040408 | Novel CD40 : CD154 binding interruptor compounds and use thereof to treat immunological complications                     | 514/332    | 546/262   | Zheng, Zhongli et al.        |
| US<br>20040067511<br>A1 | US-<br>PGPUB | 20040408 | Circular probe amplification (cpa) using energy-transfer primers  | 435/6      | 435/91.2  | Thomas, David C.             |
| US<br>20040058679<br>A1 | US-<br>PGPUB | 20040325 | Method for the improved cell selection for multi-mode radio stations in the idle state                                    | 455/439    | 370/352; 455/450  | Dillinger, Markus et al.     |
| US                      | US-          | 20040304 | Binder system for thermally   | 426/641    |   | Thomas, David J. et al.      |

| 20040043130             | PGPUB        |          | processed meat products and meat  |            |   |                              |
|-------------------------|--------------|----------|---|------------|---|------------------------------|
| A1                      |              |          | product produced thereby  |            |   |                              |
| US<br>20040016109<br>A1 | US-<br>PGPUB | 20040129 | Method of forming pillars in a fully integrated thermal inkjet printhead                              | 29/611     | 216/27; 29/890.1                        | Kawamura, Naoto et al.       |
| US<br>20040010619<br>A1 | US-<br>PGPUB | 20040115 | Method and device for using dynamic updates in a network  | 709/245    |   | Thomas, David Andrew         |
| US<br>20040010618<br>A1 | US-<br>PGPUB | 20040115 | Method and device for use with a virtual network  | 709/245    |   | Thomas, David Andrew         |
| US<br>20040008676<br>A1 | US-<br>PGPUB | 20040115 | Method and device for using an address indicator in a network   | 370/389    | 370/401; 370/466                        | Thomas, David Andrew         |
| US<br>20040000898<br>A1 | US-<br>PGPUB | 20040101 | Method and apparatus for identifying, locating and tracing wires in a multiple wire electrical system | 324/66     |   | Pool, Joel E. et al.         |
| US<br>20030227539<br>A1 | US-<br>PGPUB | 20031211 | Method of compression of video telephony images   | 348/14.1   |   | Bonnery, Christophe et al.   |
| US<br>20030223039<br>A1 | US-<br>PGPUB | 20031204 | System and method for reconstruction of aberrated wavefronts  | 351/221    |   | Thomas, David                |
| US<br>20030219437<br>A1 | US-<br>PGPUB | 20031127 | Therapeutic applications of T-BAM (CD40L) technology to treat diseases involving smooth muscle cells  | 424/144.1  |   | Yellin, Michael J. et al.    |
| US<br>20030217887<br>A1 | US-<br>PGPUB | 20031127 | Fall arrest safety device   | 182/8      |   | Thomas, David Alan et al.    |
| US<br>20030201628<br>A1 | US-<br>PGPUB | 20031030 | Front passenger air bag pocket baffle   | 280/729    |   | Roychoudhury, Raj. S. et al. |
| US<br>20030195310<br>A1 | US-<br>PGPUB | 20031016 | Chain transfer agents for raft polymerization in aqueous media  | 526/193    | 526/214; 558/10;<br>558/179; 558/250    | McCormick, Charles L. et al. |
| US<br>20030191634<br>A1 | US-<br>PGPUB | 20031009 | Signal-predictive audio transmission system   | 704/219    |   | Thomas, David B.             |
| US<br>20030191262<br>A1 | US-<br>PGPUB | 20031009 | Chain transfer agents for raft polymerization in aqueous media  | 526/288    | 526/258; 526/286;<br>526/287; 526/303.1 | McCormick, Charles L. et al. |
| US<br>20030179097<br>A1 | US-<br>PGPUB | 20030925 | Machine tool probe  | 340/686.1  |   | Collingwood, David et al.    |
| US<br>20030174741<br>A1 | US-<br>PGPUB | 20030918 | Semiconductor saturable absorber device, and laser  | 372/18     |   | Weingarten, Kurt et al.      |
| US<br>20030174068<br>A1 | US-<br>PGPUB | 20030918 | Apparatus for calibrating a digital field sensor  | 340/870.04 | 340/870.16                              | Dobos, Jeffrey A. et al.     |
| US<br>20030168835<br>A1 | US-<br>PGPUB | 20030911 | Side curtain air bag assembly   | 280/730.2  |   | Thomas, David James et al.   |

| US                | US-      | 20030904 | Candida albicans proteins                                     | 536/23.1  | Ī                   | Leberer, Ekkehard et al. |
|-------------------|----------|----------|---|-----------|---------------------|--------------------------|
| 20030166886       | PGPUB    |          | associated with virulence and                                 |           |                     |                          |
| US                | US-      | 20030821 | hyphal formation and uses thereof Automatic dredge system and | 37/307    |                     | Thomas, David F.         |
| 20030154634       | PGPUB    | 20030821 | method of operation   | 37/307    |                     | Thomas, David 1.         |
| Al                |          |          | -   |           |                     |                          |
| US                | US-      | 20030814 | Method for controlling an                                     | 455/436   | 455/443             | Faerber, Michael et al.  |
| 20030153313       | PGPUB    |          | intersystem link transfer                                     |           |                     |                          |
| US US             | US-      | 20030724 | Fully integrated thermal inkjet                               | 347/65    |                     | Kawamura, Naoto A. et    |
| 20030137562       | PGPUB    | 20030721 | printhead having etched back PSG                              |           |                     | al.                      |
| A1                |          |          | layer   |           |                     |                          |
| US                | US-      | 20030717 | Terrestrial seismic acquisition                               | 367/57    |                     | Thomas, David            |
| 20030133361<br>A1 | PGPUB    |          | process and apparatus, in particular for a vertical seismic   |           |                     |                          |
| AI                | !        |          | acquisition   |           |                     |                          |
| US                | US-      | 20030529 | THERAPEUTIC   | 424/144.1 |                     | YELLIN, MICHAEL J.       |
| 20030099642       | PGPUB    |          | APPLICATIONS FOR THE  |           |                     | et al.                   |
| A1                |          |          | ANTI-T-BAM (CD40L)  |           |                     |                          |
| :                 |          |          | MONOCLONAL ANTIBODY 5C8 IN THE TREATMENT OF                   |           |                     |                          |
|                   |          |          | VASCULITIS  |           |                     |                          |
| US                | US-      | 20030501 | Electrical coupling of a stiffener to                         | 438/118   |                     | Dornbos, Terry J. et al. |
| 20030082853       | PGPUB    |          | a chip carrier  |           |                     |                          |
| Al                | US-      | 20030417 | CD154 blockade therapy for                                    | 424/144.1 |                     | Kenyon, Norma S. et al.  |
| US<br>20030072754 | PGPUB    | 20030417 | pancreatic islet tissue                                       | 424/144.1 |                     | Kenyon, Norma S. Ct al.  |
| A1                | 10102    |          | transplantation   |           |                     |                          |
| US                | US-      | 20030313 | Capacitive displacement sensor                                | 361/283.2 |                     | Thomas, David            |
| 20030048592       | PGPUB    |          |   |           |                     | Kenneth et al.           |
| US US             | US-      | 20030220 | Method of forming pillars in a                                | 216/27    |                     | Kawamura, Naoto et al.   |
| 20030034327       | PGPUB    | 20030220 | fully integrated thermal inkjet                               | 210,2,    |                     |                          |
| Al                |          |          | printhead   |           |                     |                          |
| US                | US-      | 20030213 | Treatment of immune complex                                   | 424/144.1 |                     | Kalled, Susan L. et al.  |
| 20030031668<br>A1 | PGPUB    |          | disease with anti-CD40L antibodies                            |           |                     |                          |
| US                | US-      | 20030213 |   | 174/260   | 174/255; 174/265;   | Carpenter, Karen et al.  |
| 20030029636       | PGPUB    |          | complex power-signal  |           | 29/831; 29/832;     | ' '                      |
| Al                |          |          | substructures   |           | 29/852              |                          |
| US                | US-      | 20030206 | System and method for   | 600/476   | 606/4               | Thomas, David            |
| 20030028115<br>A1 | PGPUB    |          | reconstruction of aberrated wavefronts                        |           |                     |                          |
| US                | US-      | 20030109 | High performance dense wire for                               | 333/33    | 257/E23.173         | Anstrom, Donald O. et    |
| 20030006857       | PGPUB    |          | printed circuit board   |           |                     | al.                      |
| Al                |          |          |   |           |                     |                          |
| US                | US-      | 20021226 | Method and apparatus for multi                                | 370/465   | 370/451             | Ghodrat, Fataneh F. et   |
| 20020196806<br>A1 | PGPUB    |          | context direct memory access                                  |           |                     | al.                      |
| US                | US-      | 20021212 | Bispecific molecules cross-linking                            | 424/130.1 | 435/320.1; 435/326; | Thomas, David et al.     |
| 20020187142       | PGPUB    |          | ITIM and ITAM for therapy                                     |           | 435/69.1; 530/387.1 |                          |
| Al                |          |          |   |           | 105/00 5 105/50 5   | 1                        |
| US                | US-      | 20021121 | ANTI-IgE gene therapy   | 514/44    | 435/326; 435/69.1   | Liou, Ruey S. et al.     |
| 20020173477<br>A1 | PGPUB    |          |   |           |                     |                          |
|                   | <u> </u> | <u> </u> | <u> </u>  |           |                     | 1                        |

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| US<br>20020163088<br>A1 | US-<br>PGPUB | 20021107 | Carburetor throttle control detent mechanism  | 261/65    |   | Gliniecki, Gary U. et al.   |
|-------------------------|--------------|----------|---|-----------|---|-----------------------------|
| US<br>20020160408<br>A1 | US-<br>PGPUB | 20021031 | 2ER membrane and lumenal protein interaction yeast two-hybrid assay   | 435/6     | 435/254.2; 435/483                          | Pelletier, Marc F. et al.   |
| US<br>20020155936<br>A1 | US-<br>PGPUB | 20021024 | Modular pouch machine   | 493/395   | 493/269                                     | Wied, Randy C. et al.       |
| US<br>20020154212<br>A1 | US-<br>PGPUB | 20021024 | Telescopic reconstruction of facial features from a speech pattern  | 348/14.13 |   | Thomas, David R.            |
| US<br>20020153346<br>A1 | US-<br>PGPUB | 20021024 | Method of forming pillars in a fully integrated thermal inkjet printhead  | 216/2     |   | Kawamura, Naoto et al.      |
| US<br>20020148637<br>A1 | US-<br>PGPUB | 20021017 | HIGH PERFORMANCE DENSE<br>WIRE FOR PRINTED CIRCUIT<br>BOARD   | 174/255   | 257/E23.173                                 | Anstrom, Donald O. et al.   |
| US<br>20020148410<br>A1 | US-<br>PGPUB | 20021017 | Temperature control system  | 119/452   |   | Thomas, David A.            |
| US<br>20020134752<br>A1 | US-<br>PGPUB | 20020926 | Method of forming pillars in a fully integrated thermal inkjet printhead  | 216/27    | 216/11; 216/39                              | Kawamura, Naoto et al.      |
| US<br>20020129495<br>A1 | US-<br>PGPUB | 20020919 | Ink feed trench etch technique for a fully integrated thermal inkjet printhead  | 29/890.01 |   | Trueba, Kenneth E. et al.   |
| US<br>20020119150<br>A1 | US-<br>PGPUB | 20020829 | Use of a CD40:CD154 binding interruptor to prevent counteradaptive immune responses, particularly graft rejection                     | 424/144.1 |   | Kirk, Allan D. et al.       |
| US<br>20020108780<br>A1 | US-<br>PGPUB | 20020815 | Multilayered laminate   | 174/262   | 257/E23.079;<br>257/E23.172;<br>257/E23.173 | Blackwell, Kim J. et al.    |
| US<br>20020106690<br>A1 | US-<br>PGPUB | 20020808 | THE G-PROTEIN B SUBUNIT<br>INTERACTION DOMAIN OF<br>STE20P/PAK FAMILY OF<br>PROTEIN KINASES AND USES<br>THEREOF IN BIOASSAYS          | 435/7.1   |   | LEBERER,<br>EKKEHARD et al. |
| US<br>20020095692<br>A1 | US-<br>PGPUB | 20020718 | Conditional mutants of influenza virus M2 protein   | 800/8     | 435/183; 435/235.1                          | Thomas, David Brian et al.  |
| US<br>20020087976<br>A1 | US-<br>PGPUB | 20020704 | System and method for distributing video with targeted advertising using switched communication networks                              | 725/34    | 725/147; 725/35                             | Kaplan, Marc P. et al.      |
| US<br>20020086838<br>A1 | US-<br>PGPUB | 20020704 | Use of antagonists of plasminogen activator inhibitor-1 (PAI-1) for the treatment of asthma and chronic obstructive pulmonary disease | 514/44    | 424/146.1; 514/12;<br>514/175; 514/19       | Oh, Chad K. et al.          |
| US<br>20020079674<br>A1 | US-<br>PGPUB | 20020627 | MODULAR AIR BAG<br>HOUSING  | 280/728.2 | 280/741                                     | Thomas, David James et al.  |
| US                      | US-          | 20020613 | Method of therapeutic   | 424/131.1 | 424/144.1                                   | Kalled, Susan L. et al.     |

| 20020071840<br>A1       | PGPUB        |          | administration of anti-CD40L compounds   |            |   |                               |
|-------------------------|--------------|----------|--|------------|---|-------------------------------|
| US<br>20020031512<br>A1 | US-<br>PGPUB | 20020314 | CD40 antagonists for use in treating psoriasis and other inflammatory skin conditions  | 424/141.1  | 424/144.1   | Pasch, M. C. et al.           |
| US<br>20020024197<br>A1 | US-<br>PGPUB | 20020228 | Air bag module   | 280/728.2  | 280/728.1   | Thomas, David E. et al.       |
| US<br>20020013931<br>A1 | US-<br>PGPUB | 20020131 | Method for power routing and distribution in an integrated circuit with multiple interconnect layers                                       | 716/1      | 257/E23.153;<br>716/10; 716/8                             | Cano, Francisco A. et al.     |
| US<br>20020009239<br>A1 | US-<br>PGPUB | 20020124 | Tamper-evident reclosable bag  | 383/5      | 383/64  | Cappel, Craig E. et al.       |
| US<br>20020007135<br>A1 | US-<br>PGPUB | 20020117 | Device for shielding tissue  | 602/41     |   | Thomas, David L. III          |
| US<br>20020006402<br>A1 | US-<br>PGPUB | 20020117 | Administering IgE antagonists during pregnancy to ameliorate allergic diseases in the offspring  | 424/131.1  |   | Anderson, David et al.        |
| US<br>20010055303<br>A1 | US-<br>PGPUB | 20011227 | Bandwidth control system   | 370/389    | 370/254   | Horton, James et al.          |
| US<br>20010053770<br>A1 | US-<br>PGPUB | 20011220 | Bispecific molecules cross-linking ITIM and ITAM for therapy   | 514/44     | 424/450; 435/320.1;<br>435/366; 536/23.2                  | Thomas, David et al.          |
| US<br>20010048123<br>A1 | US-<br>PGPUB | 20011206 | Semiconductor digital loudspeaker array  | 257/258    |   | Thomas, David R.              |
| US<br>20010043762<br>A1 | US-<br>PGPUB | 20011122 | Tamper-evident reclosable bag  | 383/5      | 383/64; 383/83  | Cappel, Craig E. et al.       |
| US<br>20010026932<br>A1 | US-<br>PGPUB | 20011004 | CD40-binding APC-activating molecules  | 435/70.21  | 424/144.1; 530/388.2                                      | Thomas, David et al.          |
| US<br>20010017590<br>A1 | US-<br>PGPUB | 20010830 | Machine tool probe with wireless signal transmission   | 340/870.01 | 340/10.34;<br>340/870.16;<br>455/412.1; 455/413           | Fuge, Jonathan P. et al.      |
| US<br>20010017133<br>A1 | US-<br>PGPUB | 20010830 | Thermally-inhibited non-<br>pregelatinized granular starches<br>and flours and process for their<br>preparation                            | 127/29     | 127/32; 127/65;<br>127/71                                 | Chiu, Chung-Wai et al.        |
| US 6982227<br>B2        | USPAT        | 20060103 | Single and multilevel rework   | 438/706    | 438/723   | Cooney, III; Edward C. et al. |
| US 6976946<br>B2        | USPAT        | 20051220 | Modular pouch machine  | 493/3      | 493/8   | Wied; Randy C. et al.         |
| US 6976732<br>B2        | USPAT        | 20051220 | Convertible furniture system comprised of modular convertible box frames and methods of forming various furniture configurations therefrom | 297/1      | 297/122; 297/124;<br>297/174R; 297/3;<br>5/3; 5/37.1; 5/5 | Thomas; David L. et al.       |
| US 6954429<br>B2        | USPAT        | 20051011 | Bandwidth control system   | 370/230.1  | 370/235; 370/256;<br>370/395.4; 370/468                   | Horton; James et al.          |
| US 6948059<br>B1        | USPAT        | 20050920 | Component loader for industrial control device providing resource  | 713/100    | 713/1; 717/168;<br>717/170                                | Sprecher; Reginald W. et al.  |

|                  |       |          | search capabilities   |           |  |                              |
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| US 6944453<br>B2 | USPAT | 20050913 | Method for controlling an intersystem link transfer   | 455/436   | 370/335  | Faerber; Michael et al.      |
| US 6944095<br>B2 | USPAT | 20050913 | Terrestrial seismic acquisition process and apparatus, in particular for a vertical seismic acquisition                               | 367/57    | 181/111; 367/117;<br>367/23  | Thomas; David                |
| US 6941530<br>B2 | USPAT | 20050906 | Method of cross-mapping integrated circuit design formats   | 716/4     | 702/94; 702/95;<br>716/5   | Joshi; Hemant et al.         |
| US 6932378<br>B2 | USPAT | 20050823 | Passenger air bag module with cover coupling mechanism  | 280/728.3 |  | Thomas; David E.             |
| US 6918657<br>B2 | USPAT | 20050719 | Fully integrated thermal inkjet printhead having etched back PSG layer  | 347/65    |  | Kawamura; Naoto A. et al.    |
| US 6905619<br>B2 | USPAT | 20050614 | Method of forming pillars in a fully integrated thermal inkjet printhead  | 216/27    | 216/17; 216/41;<br>347/65  | Kawamura; Naoto et al.       |
| US 6894228<br>B2 | USPAT | 20050517 | High performance dense wire for printed circuit board   | 174/255   | 174/261; 174/262;<br>257/E23.173   | Anstrom; Donald O. et al.    |
| US 6871872<br>B2 | USPAT | 20050329 | Air bag module diffuser   | 280/736   | 280/740; 280/742   | Thomas; David E.             |
| US 6869631<br>B2 | USPAT | 20050322 | Method for infusing meat products with a starch binder solution   | 426/281   | 426/641; 426/652;<br>426/656; 426/661  | Thomas; David J. et al.      |
| US 6859311<br>B2 | USPAT | 20050222 | Digital micromirror device having a window transparent to ultraviolet (UV) light  | 359/361   | 359/350; 359/355   | Williams; Roy E. et al.      |
| US 6855840<br>B2 | USPAT | 20050215 | Chain transfer agents for raft polymerization in aqueous media  | 558/230   | 526/193; 526/217;<br>526/220; 526/222;<br>526/225  | McCormick; Charles L. et al. |
| US 6837337<br>B2 | USPAT | 20050104 | Fall arrest safety device   | 182/8     | 182/192; 182/5;<br>188/65.2  | Thomas; David Alan et al.    |
| US 6828514<br>B2 | USPAT | 20041207 | High speed circuit board and method for fabrication   | 174/262   | 174/255;<br>257/E23.173;<br>257/E25.011;<br>257/E25.012;<br>361/780; 361/794                   | Chan; Benson et al.          |
| US 6826219<br>B2 | USPAT | 20041130 | Semiconductor saturable absorber device, and laser  | 372/49.01 |  | Weingarten; Kurt et al.      |
| US 6810583<br>B2 | USPAT | 20041102 | Coupling of conductive vias to complex power-signal substructures   | 29/852    | 29/593; 29/846   | Carpenter; Karen et al.      |
| US 6783689<br>B2 | USPAT | 20040831 | Method of forming pillars in a fully integrated thermal inkjet printhead  | 216/27    | 216/17; 216/19;<br>347/65  | Kawamura; Naoto et al.       |
| US 6781623<br>B1 | USPAT | 20040824 | Vertical compensation in a moving camera  | 348/208.4 | 348/208.1;<br>348/208.5;<br>348/208.6;<br>348/208.99   | Thomas; David                |
| US 6767540<br>B2 | USPAT | 20040727 | Use of antagonists of plasminogen activator inhibitor-1 (PAI-1) for the treatment of asthma and chronic obstructive pulmonary disease | 424/130.1 | 424/134.1;<br>424/141.1;<br>424/146.1;<br>424/184.1;<br>530/387.1;<br>530/388.1;<br>530/388.2; | Oh; Chad K. et al.           |

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|                  |       |          |  |           | 530/389.2   |                            |
| US 6733035<br>B2 | USPAT | 20040511 | Side curtain air bag assembly  | 280/730.2 | 280/743.2   | Thomas; David James et al. |
| US 6730344<br>B1 | USPAT | 20040504 | Method and apparatus of coating articles                                 | 426/302   | 118/DIG.4; 426/306;<br>426/307; 426/512;<br>426/515; 427/420  | Sanders; Nigel Hugh et al. |
| US 6723761<br>B1 | USPAT | 20040420 | Microcellular foaming  | 521/82    | 521/155; 521/182; 521/78; 521/92 CIPG 20060101 A B29C B29C44/02 L I R US M 20060101 CICL B29C CIPS B29C44/02 20060101 CIPG 20060101 A B29C B29C44/04 L I R US M 20060101 CICL B29C CIPS B29C44/04 20060101 CIPG 20060101 A B29C B29C44/34 L I R US M 20060101 CICL B29C CIPS B29C44/34; 20060101 CIPG 20060101 CIPG 20060101 A B29C B29C44/34; 20060101 CIPG 20060101 CIPG 20060101 A B29C B29C44/34 L I R US M 20060101 CICL B29C CIPS B29C44/34 L I R US M 20060101 CICL COBJ CIPS COBJ9/00 L I R US M 20060101 CICL COBJ CIPS COBJ9/00 20060101 A COBJ COBJ9/12 L I R US M 20060101 CICL COBJ CIPS COBJ9/12; 20060101 CIPG 20060101 A H04R H04R7/00 L I R US M 20060101 CICL H04R CIPS H04R7/00 20060101 CIPG 20060101 A H04R H04R7/00 L I R US M 20060101 CICL H04R CIPS H04R7/00 20060101 CICL H04R CIPS H04R7/00 20060101 | Thomas; David E. et al.    |
| US 6717947<br>B1 | USPAT | 20040406 | Method and apparatus for isochronous data transfer with retry capability | 370/395.1 |   | Ghodrat; Fataneh F. et al. |

| US 6711546<br>B1 | USPAT | 20040323 | Unary coding scheme for digital audio signals   | 704/500   | 381/332  | Thomas; David R.                |
|------------------|-------|----------|---|-----------|--|---------------------------------|
| US 6699736<br>B2 | USPAT | 20040302 | Electrical coupling of a stiffener to a chip carrier  | 438/118   | 438/106; 438/119;<br>438/121; 438/122;<br>438/612; 438/613   | Dornbos; Terry J. et al.        |
| US 6697642<br>B1 | USPAT | 20040224 | Wireless communications apparatus   | 455/562.1 | 342/374; 370/337;<br>370/347; 455/25;<br>455/419; 455/522;<br>455/574; 455/90.1  | Thomas; David R.                |
| US 6687793<br>B1 | USPAT | 20040203 | Method and system for optimizing resources for cache management   | 711/133   | 711/100; 711/118;<br>711/154   | Thomas; David et al.            |
| US 6683780<br>B2 | USPAT | 20040127 | Capacitive displacement sensor  | 361/283.2 | 361/290; 361/298.2;<br>73/718  | Thomas; David<br>Kenneth et al. |
| US 6679408<br>B1 | USPAT | 20040120 | Utility rack for a pickup truck   | 224/403   | 224/405; 224/924   | Thomas; David Mark et al.       |
| US 6674168<br>B1 | USPAT | 20040106 | Single and multilevel rework  | 257/758   | 257/752; 257/759;<br>257/760; 257/762;<br>257/E21.576;<br>257/E21.579;<br>257/E21.595;<br>257/E23.146;<br>257/E23.167; 438/4 | Cooney, III; Edward C. et al.   |
| US 6660175<br>B2 | USPAT | 20031209 | Method of forming pillars in a fully integrated thermal inkjet printhead  | 216/27    | 216/17; 216/19;<br>216/41; 347/65  | Kawamura; Naoto et al.          |
| US 6651119<br>B2 | USPAT | 20031118 | Method for allocating priorities to plurality of DMA engines for processing data packets based on bus phase and transactions status | 710/40    | 710/15; 710/18;<br>710/22; 710/244;<br>710/28; 710/36;<br>711/147; 711/150   | Ghodrat; Fataneh F. et al.      |
| US 6641744<br>B1 | USPAT | 20031104 | Method of forming pillars in a fully integrated thermal inkjet printhead  | 216/27    | 216/17; 216/19;<br>216/41; 347/65  | Kawamura; Naoto et al.          |
| US 6614466<br>B2 | USPAT | 20030902 | Telescopic reconstruction of facial features from a speech pattern  | 348/14.13 | 348/14.01; 704/235   | Thomas; David R.                |
| US 6581201<br>B2 | USPAT | 20030617 | Method for power routing and distribution in an integrated circuit with multiple interconnect layers                                | 716/12    | 257/E23.153; 716/13  | Cano; Francisco A. et al.       |
| US 6576183<br>B1 | USPAT | 20030610 | Profile cutting apparatus   | 266/64    | 266/48   | Thomas; David<br>William        |
| US 6561648<br>B2 | USPAT | 20030513 | System and method for reconstruction of aberrated wavefronts  | 351/221   |  | Thomas; David                   |
| US 6561496<br>B2 | USPAT | 20030513 | Carburetor throttle control detent mechanism  | 261/52    | 261/65   | Gliniecki; Gary U. et al.       |
| US 6543884<br>B1 | USPAT | 20030408 | Fully integrated thermal inkjet printhead having etched back PSG layer  | 347/65    | 347/71   | Kawamura; Naoto A. et al.       |
| US 6534848<br>B1 | USPAT | 20030318 | Electrical coupling of a stiffener to a chip carrier  | 257/678   | 257/706  | Dornbos; Terry J. et al.        |
| US 6523954<br>B1 | USPAT | 20030225 | System and method for eye screening   | 351/205   |  | Kennedy; Ross A. et al.         |
| US 6518516<br>B2 | USPAT | 20030211 | Multilayered laminate   | 174/262   | 174/255;<br>257/E23.079;<br>257/E23.172;<br>257/E23.173; 29/852  | Blackwell; Kim J. et al.        |

| US 6517735<br>B2 | USPAT | 20030211 | Ink feed trench etch technique for<br>a fully integrated thermal inkjet<br>printhead  | 216/27    | 216/2; 216/56;<br>216/99; 438/753;<br>438/756   | Trueba; Kenneth E. et al.               |
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| US 6514389<br>B1 | USPAT | 20030204 | Method of processing a workpiece  | 204/192.1 | 257/E21.588;<br>257/E23.145;<br>427/372.2;<br>427/376.6; 427/377;<br>427/383.1; 438/626;<br>438/632; 438/660;<br>438/661  | Rich; Paul et al.                       |
| US 6498939<br>B1 | USPAT | 20021224 | Wireless network  | 455/562.1 | 455/279.1;<br>455/550.1; 455/69   | Thomas; David R.                        |
| US 6495772<br>B2 | USPAT | 20021217 | High performance dense wire for printed circuit board   | 174/255   | 174/261; 174/262;<br>257/E23.173  | Anstrom; Donald O. et al.               |
| US 6476194<br>B1 | USPAT | 20021105 | Method for folding unfolded proteins  | 530/350   | 435/69.2; 530/300   | Tessier; Daniel C. et al.               |
| US 6472981<br>B2 | USPAT | 20021029 | Machine tool probe with wireless signal transmission  | 340/539.1 | 324/96; 356/477;<br>356/486; 356/489;<br>356/498  | Fuge; Jonathan P et al.                 |
| US 6451121<br>B2 | USPAT | 20020917 | Thermally-inhibited non-<br>pregelatinized granular starches<br>and flours and process for their<br>preparation                                     | 127/29    | 127/32; 127/34;<br>127/65; 127/67;<br>127/69; 127/70;<br>127/71   | Chiu; Chung-Wai et al.                  |
| US 6435541<br>B1 | USPAT | 20020820 | Modular air bag housing   | 280/728.2 | 280/732; 72/256;<br>72/348; 72/379.4  | Thomas; David James et al.              |
| US 6425021<br>B1 | USPAT | 20020723 | System for transferring data packets of different context utilizing single interface and concurrently processing data packets of different contexts | 710/22    | 710/20; 710/21;<br>710/27; 710/305;<br>710/308; 710/35  | Ghodrat; Fataneh F. et al.              |
| US 6413784<br>B1 | USPAT | 20020702 | Multi-sectioned fluid delivery devices for detecting target molecules by immunoassay  | 436/518   | 422/101; 422/102;<br>422/55; 422/56;<br>422/57; 422/58;<br>435/287.1;<br>435/287.2;<br>435/287.7;<br>435/288.4;<br>435/288.5;<br>435/288.5;<br>435/288.5;<br>436/514; 436/805;<br>436/807; 436/810;<br>604/187; 604/190;<br>604/191; 604/218;<br>604/82; 604/87;<br>604/89; 604/90;<br>604/91 | Lundsgaard; Jorgen<br>Schjerning et al. |
| US 6403995<br>B2 | USPAT | 20020611 | Semiconductor digital loudspeaker array   | 257/249   | 257/245   | Thomas; David R.                        |
| US 6399321<br>B1 | USPAT | 20020604 | Methods for screening UDP-<br>glucose:glycoprotein<br>glucosyltransferase (UGGT)<br>activity and nucleic acid encoding<br>for UGGT                  | 435/15    | 435/193; 435/252.3;<br>435/320.1; 536/23.1;<br>536/23.2   | Tessier; Daniel C. et al.               |
| US 6373442       | USPAT | 20020416 | Antenna for a parking meter   | 343/767   | 343/700MS   | Thomas; David L. et al.                 |

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| US 6340601<br>B1 | USPAT | 20020122 | Method for reworking copper metallurgy in semiconductor devices  | 438/4                                 | 257/E21.595;<br>438/626; 438/633;<br>438/645                    | Curran, Jr.; Thomas F. et al. |
| US 6336714<br>B1 | USPAT | 20020108 | Fully integrated thermal inkjet printhead having thin film layer shelf   | 347/65                                |   | Kawamura; Naoto A. et al.     |
| US 6309054<br>B1 | USPAT | 20011030 | Pillars in a printhead   | 347/65                                | 347/67; 347/93  | Kawamura; Naoto et al.        |
| US 6308307<br>B1 | USPAT | 20011023 | Method for power routing and distribution in an integrated circuit with multiple interconnect layers   | 716/8                                 | 257/E23.153;<br>716/10; 716/12                                  | Cano; Francisco A. et al.     |
| US 6305790<br>B1 | USPAT | 20011023 | Fully integrated thermal inkjet printhead having multiple ink feed holes per nozzle  | 347/65                                |   | Kawamura; Naoto A. et al.     |
| US 6304553<br>B1 | USPAT | 20011016 | Method and apparatus for processing data packets   | 370/235                               | 370/393; 370/428  | Gehman; Judy M. et al.        |
| US 6304227<br>B1 | USPAT | 20011016 | Slot antenna   | 343/769                               |   | Hill; Robert J. et al.        |
| US 6288685<br>B1 | USPAT | 20010911 | Serrated slot antenna  | 343/769                               | 343/897   | Thomas; David L.              |
| US 6286999<br>B1 | USPAT | 20010911 | Tamper-evident reclosable bag  | 383/5                                 | 24/400; 383/64  | Cappel; Craig E. et al.       |
| US 6281717<br>B1 | USPAT | 20010828 | Dynamic error compensation in track-and-hold circuits  | 327/95                                | 327/362   | Thomas; David M. et al.       |
| US 6275583<br>B1 | USPAT | 20010814 | Circuits and methods for improved network interface circuit protection   | 379/412                               | 379/399.01;<br>379/93.05  | Derby; Jeffrey Haskell et al. |
| US 6261376<br>B1 | USPAT | 20010717 | Thermally-Inhibited pregelatinized non-granular starches and flours  | 127/65                                | 127/29; 127/32;<br>127/67; 127/71;<br>426/658; 426/661          | Jeffcoat; Roger et al.        |
| US 6260914<br>B1 | USPAT | 20010717 | Symmetrical dash reinforcement   | 296/190.08                            | 280/779; 296/192  | Nieminski; Brant R. et al.    |
| US 6245374<br>B1 | USPAT | 20010612 | Flexible partially cooked food composition   | 426/549                               | 426/138; 426/391;<br>426/658                                    | Thomas; David J. et al.       |
| US 6239820<br>B1 | USPAT | 20010529 | Thin-film printhead device for an ink-jet printer  | 347/50                                | 347/58; 347/63  | Figueredo; Domingo A et al.   |
| US 6231675<br>B1 | USPAT | 20010515 | Thermally-inhibited non-<br>pregelatinized granular starches<br>and flours and process for their<br>preparation  | 127/67                                | 127/29; 127/32;<br>127/34; 127/65;<br>127/69; 127/70;<br>127/71 | Chiu; Chung-Wai et al.        |
| US 6221420<br>B1 | USPAT | 20010424 | Foods containing thermally-<br>inhibited starches and flours   | 426/578                               | 426/573; 426/658;<br>426/661                                    | Thomas; David J. et al.       |
| US 6198817<br>B1 | USPAT | 20010306 | Communication interface having combined shaping of receive response and synthesized matching terminating impedances for different frequency bands and a design method therefor | 379/394                               | 379/398; 379/406.14   | Derby; Jeffrey Haskell et al. |
| US 6181792<br>B1 | USPAT | 20010130 | Communication interface having synthesized matching impedances for different frequency bands and a design method therefor  | 379/398                               | 379/394   | Derby; Jeffrey Haskell et al. |
| US 6153114<br>A  | USPAT | 20001128 | Thin-film printhead device for an ink-jet printer  | 216/27                                | 216/16; 347/62  | Figueredo; Domingo A. et al.  |

| US 6126276<br>A | USPAT | 20001003 | Fluid jet printhead with integrated heat-sink   | 347/65     |  | Davis; Colin C. et al.       |
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| US 6124818<br>A | USPAT | 20000926 | Pipelined successive approximation analog-to-digital converters   | 341/155    | 341/161  | Thomas; David M. et al.      |
| US 6031458<br>A | USPAT | 20000229 | Polymeric radio frequency resonant tags and method for manufacture  | 340/572.5  | 340/572.1; 343/873;<br>343/895   | Jacobsen; Soren et al.       |
| US 6017355<br>A | USPAT | 20000125 | Intercutaneous implant device   | 606/184    | 604/174; 604/175;<br>606/186   | Hessel; Lasse Leif et al.    |
| US 6010574<br>A | USPAT | 20000104 | Thermally-inhibited pregelatinized non-granular starches and flours and process for their production            | 127/65     | 127/29; 127/32;<br>127/67; 127/71  | Jeffcoat; Roger et al.       |
| US 6003977<br>A | USPAT | 19991221 | Bubble valving for ink-jet printheads   | 347/63     | 347/65   | Weber; Timothy L. et al.     |
| US 6000232<br>A | USPAT | 19991214 | Refrigeration system and method of control  | 62/89      | 165/208; 165/217;<br>62/179  | Witten-Hannah; Daniel et al. |
| US 5997059<br>A | USPAT | 19991207 | Safety bumper   | 293/125    | 293/17   | Thomas; David A.             |
| US 5992234<br>A | USPAT | 19991130 | Detection of defects using resonant ultrasound spectroscopy at predicted high order modes                       | 73/579     | 702/35; 702/36;<br>702/39  | Rhodes; George et al.        |
| US 5965817<br>A | USPAT | 19991012 | Temperature compensation of resonant frequency measurements for the effects of temperature variations           | 73/579     | 73/602; 73/766   | Schwarz; James J. et al.     |
| US 5960694<br>A | USPAT | 19991005 | Hydrostatic power steering system having reduced wheel slip   | 91/363R    | 180/412; 180/415;<br>180/422; 60/384;<br>91/375R   | Thomas; David W. et al.      |
| US 5948195<br>A | USPAT | 19990907 | Process for rapid manufacturing multi-pane glass windows  | 156/109    | 156/107  | Thomas; David M.             |
| US 5938018<br>A | USPAT | 19990817 | Cigarette or tobacco package with re-usable aroma releasant for multiple package openings                       | 206/261    | 206/265; 206/268   | Keaveney; Benedict et al.    |
| US 5932268<br>A | USPAT | 19990803 | Flexible partially cooked food composition  | 426/549    | 426/138; 426/560;<br>426/658; 426/94   | Thomas; David J. et al.      |
| US 5932017<br>A | USPAT | 19990803 | Thermally-inhibited non-<br>pregelatinized granular starches<br>and flours and process for their<br>preparation | 127/67     | 127/29; 127/32;<br>127/65; 127/71  | Chiu; Chung-Wai et al.       |
| US 5907363<br>A | USPAT | 19990525 | Method for controlling a compressed data buffer   | 375/240.05 | 375/240.25   | Botsford, III; Nelson et al. |
| US 5902502<br>A | USPAT | 19990511 | Corrugated paperboard manufacturing apparatus and related methods   | 219/388    | 156/470; 34/624  | Sissons; Anthony J. et al.   |
| US 5888645<br>A | USPAT | 19990330 | Method and apparatus for manufacturing an article of a composite material                                       | 428/324    | 264/442; 264/443;<br>264/69; 310/233;<br>425/174.2; 428/323;<br>428/325; 428/327;<br>428/328; 428/329;<br>428/330; 428/331;<br>428/364; 428/367;<br>428/413; 428/423.1;<br>428/425.9; 428/447;<br>428/473.5; | Lindgaard; Torben et al.     |

|                 |       |          |  |           | 428/474.4; 428/482;<br>428/524; 523/149;<br>523/153; 523/157;   |                                   |
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|                 |       |          |  |           | 523/153, 523/157, 523/158; 523/159  |                                   |
| US 5883650<br>A | USPAT | 19990316 | Thin-film printhead device for an ink-jet printer  | 347/62    | 523,100,023,135   | Figueredo; Domingo A. et al.      |
| US 5882999<br>A | USPAT | 19990316 | Process for metallization of an insulation layer   | 438/629   | 257/E21.579;<br>257/E21.582;<br>257/E21.584;<br>257/E21.585;<br>438/633; 438/636;<br>438/637; 438/648 | Anderson; Christine<br>Ann et al. |
| US 5871732<br>A | USPAT | 19990216 | Anti-CD4 antibody homologs useful in prophylaxis and treatment of AIDS, ARC and HIV infection        | 424/133.1 | 424/143.1;<br>424/154.1;<br>530/387.3;<br>530/388.75  | Burkly; Linda C. et al.           |
| US 5847362<br>A | USPAT | 19981208 | Corrugated paperboard manufacturing apparatus providing controllable heat and related methods        | 219/388   | 156/210; 156/470;<br>219/461.1;<br>219/462.1; 219/540;<br>34/624                                      | Sissons; Anthony J. et al.        |
| US 5837974<br>A | USPAT | 19981117 | Corrugated paperboard manufacturing apparatus with board profile monitoring and related methods      | 219/388   | 156/210; 156/359;<br>156/470; 156/64;<br>428/154  | Sissons; Anthony J. et al.        |
| US 5837896<br>A | USPAT | 19981117 | Detection of defects using resonant ultrasound spectroscopy at predicted high order modes            | 73/579    |   | Rhodes; George et al.             |
| US 5836570<br>A | USPAT | 19981117 | Gate valve seat  | 251/328   | 251/172   | Blenkush; Robert et al.           |
| US 5830884<br>A | USPAT | 19981103 | Pharmaceutical products containing thermally-inhibited starches                                      | 514/160   | 514/1; 514/206  | Kasica; James J. et al.           |
| US 5788803<br>A | USPAT | 19980804 | Corrugated paperboard manufacturing apparatus with controllable preheating                           | 156/359   | 156/361; 156/362;<br>156/470; 156/499;<br>156/583.1; 34/553   | Sissons; Anthony J. et al.        |
| US 5766323<br>A | USPAT | 19980616 | Cementitious materials   | 106/2     | 106/696; 106/724;<br>106/806; 106/823   | Butler; Derek William et al.      |
| US 5734419<br>A | USPAT | 19980331 | Method of encoder control  | 348/97    | 348/700   | Botsford, III; Nelson et al.      |
| US 5725676<br>A | USPAT | 19980310 | Thermally inhibited starches and flours and process for their production                             | 127/34    | 127/69; 127/70;<br>127/71   | Chiu; Chung-Wai et al.            |
| US 5723898<br>A | USPAT | 19980303 | Array protection devices and method  | 257/529   | 257/209; 257/665;<br>257/758  | Gilmour; Richard<br>Alfred et al. |
| US 5722716<br>A | USPAT | 19980303 | Convertible furniture frame  | 297/118   | 297/440.24;<br>297/452.2  | Thomas; David L. et al.           |
| US 5720822<br>A | USPAT | 19980224 | Thermally-inhibited pregelatinized non-granular starches and flours and process for their production | 127/65    | 127/29; 127/32;<br>127/67; 127/71   | Jeffcoat; Roger et al.            |
| US 5718770<br>A | USPAT | 19980217 | Thermally-inhibited pregelatinized granular starches and flours and process for their production     | 127/65    | 127/29; 127/32;<br>127/67; 127/71   | Shah; Manish B. et al.            |
| US 5718337<br>A | USPAT | 19980217 | Carton for plastic bags  | 206/554   | 206/555; 229/122;<br>229/164; 229/178   | Carr; Daniel G. et al.            |
| US 5704254      | USPAT | 19980106 | Steering column isolator pads  | 74/492    | 403/220; 411/509  | Thomas; David E. et al.           |

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|-----------------|-------|----------|---|------------|---|-------------------------------|
| US 5697805<br>A | USPAT | 19971216 | Alignment assist shroud for an electrical connector   | 439/374    |   | Orstad; Richard Edward et al. |
| US 5691306<br>A | USPAT | 19971125 | Methods of detection and treatment of protein trafficking disorders and increasing secretory protein production | 514/11     | 435/70.1  | Bergeron; John J. M. et al.   |
| US 5669151<br>A | USPAT | 19970923 | Trigger probe circuit   | 33/558     |   | Collingwood; David            |
| US 5647608<br>A | USPAT | 19970715 | Air bag module with extruded housing  | 280/728.2  | 280/732   | Damman; Alex Scott et al.     |
| US 5641905<br>A | USPAT | 19970624 | Second derivative resonant ultrasound response analyzer   | 73/579     | 73/602; 73/659  | Schwarz; James J. et al.      |
| US 5641349<br>A | USPAT | 19970624 | Water-based adhesives containing thermally-inhibited starches   | 106/206.1  |   | Koubek; Timothy C. et al.     |
| US 5630833<br>A | USPAT | 19970520 | Device for sealing hemostatic incisions   | 606/213    | 128/887; 604/285;<br>604/506                                    | Katsaros; Georges et al.      |
| US 5619999<br>A | USPAT | 19970415 | Body surface position locator for ultrasound transducer   | 600/445    | 600/446; 600/459;<br>73/862.046                                 | Von Behren; Patrick L. et al. |
| US 5608327<br>A | USPAT | 19970304 | Methods and apparatus for identifying faulted phases on an electric power transmission line                     | 324/522    | 361/68; 700/294   | Jones; Martin S. et al.       |
| US 5597279<br>A | USPAT | 19970128 | Wheel nut   | 411/432    | 411/544   | Thomas; David E. et al.       |
| US 5595434<br>A | USPAT | 19970121 | Wand attachment   | 362/102    | 362/109; 362/186;<br>40/555; 403/320;<br>403/341; 446/485       | Pasch; Ricky C. et al.        |
| US 5583443<br>A | USPAT | 19961210 | Calibration of capacitance probe  | 324/601    | 324/662; 324/690;<br>324/758                                    | McMurtry; David R. et al.     |
| US 5581252<br>A | USPAT | 19961203 | Analog-to-digital conversion using comparator coupled capacitor digital-to-analog converters                    | 341/144    | 341/155; 341/172  | Thomas; David M.              |
| US 5547604<br>A | USPAT | 19960820 | Liquid crystal siloxanes  | 252/299.01 | 252/299.66;<br>556/450; 556/453;<br>556/454; 556/456            | Coles; Harry J. et al.        |
| US 5545262<br>A | USPAT | 19960813 | Method of preparing a metal<br>substrate of improved surface<br>morphology                                      | 148/527    | 29/623.1;<br>29/DIG.16; 427/226;<br>427/309; 427/318;<br>427/77 | Hardee; Kenneth L. et al.     |
| US 5540715<br>A | USPAT | 19960730 | Device for sealing hemostatic incisions   | 606/213    | 604/103.03;<br>604/181; 604/265;<br>606/195                     | Katsaros; Georges et al.      |
| US 5535039<br>A | USPAT | 19960709 | Divergence feedback in a linear<br>fiber optic analog transmission<br>system and method                         | 398/195    |   | Belcher; Donald K. et al.     |
| US 5528405<br>A | USPAT | 19960618 | Power series correction in a linear fiber optic analog transmission system and method                           | 398/208    | 398/158; 398/76   | Belcher; Donald K. et al.     |
| US 5523253<br>A | USPAT | 19960604 | Array protection devices and fabrication method   | 438/601    |   | Gilmour; Richard A. et al.    |
| US 5499194<br>A | USPAT | 19960312 | Method for scanning the surface of an object  | 702/168    | 345/428; 345/441;<br>702/108; 702/190                           | Prestidge; Tim et al.         |
| US 5455697<br>A | USPAT | 19951003 | Liquid crystal device   | 252/299.01 | 252/299.66  | Coles; Harry J. et al.        |

| US 5452624<br>A | USPAT | 19950926 | Tilt steering column locking mechanism  | 74/493    | 280/775; 74/540   | Thomas; David E. et al.       |
|-----------------|-------|----------|---|-----------|---|-------------------------------|
| US 5445410<br>A | USPAT | 19950829 | Instrument panel assembly having hidden air bag door disposed laterally between vents | 280/728.3 | 280/732   | Czapp; Adelbert T. et al.     |
| US 5420455<br>A | USPAT | 19950530 | Array fuse damage protection devices and fabrication method                           | 257/529   | 257/209; 257/665;<br>257/758; 365/225.7   | Gilmour; Richard A. et al.    |
| US 5413571<br>A | USPAT | 19950509 | Device for sealing hemostatic incisions   | 606/213   | 128/899;<br>604/103.03; 606/151   | Katsaros; Georges et al.      |
| US 5408056<br>A | USPAT | 19950418 | Component supporting  | 181/171   | 442/214   | Thomas; David E.              |
| US 5394602<br>A | USPAT | 19950307 | Method of making an instrument panel assembly   | 29/460    | 156/242; 264/46.5;<br>280/732; 280/752;<br>29/527.3   | Czapp; Adelbert T. et al.     |
| US 5390955<br>A | USPAT | 19950221 | Steering column release capsules  | 280/777   | 74/492  | Kaliszewski; Thomas S. et al. |
| US 5383103<br>A | USPAT | 19950117 | Flashlight wand attachment  | 362/102   | 362/109; 362/186  | Pasch; Ricky C. et al.        |
| US 5376830<br>A | USPAT | 19941227 | High frequency slope compensation circuit for current programmed converter            | 327/134   | 327/170   | Ashley; Donald J. et al.      |
| US 5366598<br>A | USPAT | 19941122 | Method of using a metal substrate of improved surface morphology                      | 205/532   | 205/554; 205/630  | Hardee; Kenneth L. et al.     |
| US 5357765<br>A | USPAT | 19941025 | Cooling device  | 62/187    | 62/180; 62/229  | Thomas; David A. et al.       |
| US 5349915<br>A | USPAT | 19940927 | Submersible trim system   | 114/124   | 114/330; 244/93   | Thomas; David L. et al.       |
| US 5346435<br>A | USPAT | 19940913 | Carcass hide opening  | 452/160   | 452/152   | Green; Paul A. et al.         |
| US 5339086<br>A | USPAT | 19940816 | Phased array antenna with distributed beam steering                                   | 342/371   | 342/377   | DeLuca; Amedeo et al.         |
| US 5310174<br>A | USPAT | 19940510 | Paper cushion and noise suppressor  | 271/225   | 271/184; 271/902  | Thomas; David                 |
| US 5299470<br>A | USPAT | 19940405 | Ignition interlock mechanism for a column-mounted shift control assembly              | 477/99    | 70/248; 74/483R   | Snell; William M. et al.      |
| US 5275432<br>A | USPAT | 19940104 | Air bag deployment door with snap fit   | 280/728.2 |   | Pray; John H. et al.          |
| US 5270664<br>A | USPAT | 19931214 | Probe for measuring surface roughness by sensing fringe field capacitance effects     | 324/690   | 324/662; 324/687;<br>324/754  | McMurtry; David R. et al.     |
| US 5270424<br>A | USPAT | 19931214 | Hydrosilylation process   | 528/15    | 556/479   | Drake; Robert A. et al.       |
| US 5255980<br>A | USPAT | 19931026 | Black body TRD temperature sensor   | 374/161   | 250/227.14;<br>250/393; 250/458.1;<br>374/131   | Thomas; David C. et al.       |
| US 5250134<br>A | USPAT | 19931005 | System and method for forming an overwrap web provided with inserts                   | 156/264   | 156/250; 156/251;<br>156/271; 156/277;<br>156/461; 156/516;<br>156/552; 156/557;<br>206/242; 83/279;<br>83/84 | Thomas; David A. et al.       |
| US 5228359<br>A | USPAT | 19930720 | Steering column bracket assembly  | 74/492    | 188/371   | Thomas; David E.              |
| US 5211480      | USPAT | 19930518 | TRD temperature sensor and  | 374/161   | 250/227.21;   | Thomas; David C. et al.       |

| A               |       |          | electronics   |           | 250/458.1; 324/702;   |                           |
|-----------------|-------|----------|---|-----------|---|---------------------------|
| US 5209073<br>A | USPAT | 19930511 | Cooling device and method with multiple cooled chambers and multiple expansion means  | 62/81     | 374/131; 702/130<br>165/212; 62/180;<br>62/186; 62/525;<br>62/528   | Thomas; David A. et al.   |
| US 5206595<br>A | USPAT | 19930427 | Advanced cable fault location   | 324/535   | 324/532   | Wiggins; Carl M. et al.   |
| US 5205175<br>A | USPAT | 19930427 | Multiple transducer selector  | 73/628    | 340/825.52;<br>340/825.57;<br>600/437; 600/443;<br>73/1.82  | Garza; Jose A. Q. et al.  |
| US 5180350<br>A | USPAT | 19930119 | Exercise bar apparatus  | 482/40    | 482/138; 482/38   | Thomas; David D.          |
| US 5167788<br>A | USPAT | 19921201 | Metal substrate of improved surface morphology  | 204/242   | 204/280;<br>204/290.12;<br>204/290.14;<br>204/291; 428/161;<br>428/469; 428/640;<br>428/670; 428/687  | Hardee; Kenneth L. et al. |
| US 5154397<br>A | USPAT | 19921013 | Peripheral knife gate seal  | 251/328   | 137/375; 251/170;<br>251/171; 251/214;<br>251/360   | Thomas; David L. et al.   |
| US 5150529<br>A | USPAT | 19920929 | Signal transmission system for machine tools, inspection machines, and the like   | 33/503    | 33/558; 340/680;<br>340/825.72;<br>340/825.73   | Collingwood; David        |
| US 5112197<br>A | USPAT | 19920512 | Cross groove joint socket plate torque restraint assembly for a variable displacement compressor  | 417/222.2 | 417/269; 74/60  | Swain; James C. et al.    |
| US 5087322<br>A | USPAT | 19920211 | Selective metallization for high temperature semiconductors   | 438/105   | 257/E21.062;<br>257/E21.064;<br>257/E21.066;<br>257/E21.163;<br>257/E21.165;<br>257/E21.172;<br>257/E21.173;<br>427/282; 427/309;<br>427/526; 427/585;<br>438/180; 438/523;<br>438/572; 438/602;<br>438/677 | Lillienfeld; David et al. |
| US 5071758<br>A | USPAT | 19911210 | Production of cell strains capable of propagating respiratory syncytial virus, compositions containing such virus and their use in diagnosis of respiratory syncytial virus infection | 435/325   | 424/201.1;<br>424/211.1;<br>435/235.1; 435/29;<br>435/41; 436/518;<br>436/519; 436/811  | Stott; Edward J. et al.   |
| US 5070332<br>A | USPAT | 19911203 | Two-step subranging analog to digital converter   | 341/156   | 341/136   | Kaller; Roy S. et al.     |
| US 5056235<br>A | USPAT | 19911015 | Signal transmission system for machine tools, inspection machines, and the like   | 33/503    | 33/558; 340/680;<br>340/825.58;<br>340/870.11   | Thomas; David K.          |
| US 5035935<br>A | USPAT | 19910730 | Overwrap insert   | 428/43    | 206/831; 229/87.05;<br>229/87.13; 383/205;<br>428/68  | Thomas; David A. et al.   |
| US 5006952      | USPAT | 19910409 | Capacitive transducers  | 361/283.2 | 307/116; 73/718   | Thomas; David K.          |

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| A<br>US 4947169 | USPAT | 19900807 | Dummy/trim DAC for conscitor  | 341/121  | 341/118; 341/120   | Smith; Lewis R. et al.       |
|-----------------|-------|----------|---|----------|--|------------------------------|
| US 4947169<br>A | USPAI | 1990080/ | Dummy/trim DAC for capacitor digital-to-analog converter  |          | 341/118; 341/120   | Simuli, Lewis K. et al.      |
| US 4929553<br>A | USPAT | 19900529 | Protease for specific processing of secreted proteins   | 435/69.1 | 435/254.21;<br>435/320.1; 435/69.4;<br>435/940; 435/942;<br>530/303; 536/23.2;<br>536/23.5; 536/24.1 | Bussey; Howard et al.        |
| US D306854<br>S | USPAT | 19900327 | Combined telephone and data entry terminal  | D14/329  | D14/149; D14/151;<br>D14/248   | Davis; William H. et al      |
| US 4907066<br>A | USPAT | 19900306 | Planar tungsten interconnect with implanted silicon   | 257/741  | 257/763;<br>257/E21.295;<br>257/E21.586  | Thomas; David C. et al       |
| US 4902957<br>A | USPAT | 19900220 | DC/DC converter   | 323/222  | 323/285  | Cassani; John C. et al.      |
| US 4892412<br>A | USPAT | 19900109 | Heatable mixer apparatus  | 366/145  | 366/146; 366/214;<br>422/104   | Thomas; David A. et a        |
| US 4871783<br>A | USPAT | 19891003 | Modified polyols and their use in the manufacture of polymer polyols                                | 521/137  | 524/762; 556/429   | Cloetens; Rudolphe C. et al. |
| US 4843106<br>A | USPAT | 19890627 | Modified polymer polyols  | 521/107  | 521/108; 521/137;<br>521/906; 524/709;<br>524/710; 524/712;<br>524/732                               | Fis; Joelle Y. et al.        |
| US 4833517<br>A | USPAT | 19890523 | Theta device with improved base contact   | 257/26   | 257/745;<br>257/E29.018;<br>257/E29.124;<br>257/E29.241  | Heiblum; Mordehai et al.     |
| US 4832127<br>A | USPAT | 19890523 | Method and apparatus for producing viscous crudes   | 166/369  | 166/106; 417/431   | Thomas; David W. et al.      |
| US 4821178<br>A | USPAT | 19890411 | Internal performance monitoring by event sampling   | 714/47   |  | Levin; Arthur L. et al.      |
| US 4792748<br>A | USPAT | 19881220 | Two-terminal temperature-<br>compensated current source circuit                                     | 323/312  | 323/315; 323/907   | Thomas; David M. et al.      |
| US 4770415<br>A | USPAT | 19880913 | Game  | 463/7    | 273/454; 463/31  | Evans; David J. et al.       |
| US 4746621<br>A | USPAT | 19880524 | Planar tungsten interconnect  | 438/624  | 257/E21.295;<br>257/E21.586;<br>438/637; 438/641;<br>438/644; 438/675;<br>438/766                    | Thomas; David C. et a        |
| US 4728185<br>A | USPAT | 19880301 | Imaging system  | 353/122  |  | Thomas; David A.             |
| US 4716657<br>A | USPAT | 19880105 | Machine having a self powered tool or measuring probe   | 33/561   | 408/147  | Collingwood; David           |
| US 4716656<br>A | USPAT | 19880105 | Position - sensing probe  | 33/503   | 33/559; 33/561   | Maddock; Neil A. et a        |
| US D292299<br>S | USPAT | 19871013 | Joystick control  | D14/412  | D13/169  | Thomas; David S.             |
| US 4697185<br>A | USPAT | 19870929 | Algorithm for radar coordinate conversion in digital scan converters                                | 342/185  | 708/442  | Thomas; David M. et al.      |
| US 4689441<br>A | USPAT | 19870825 | Routing method and pattern for reducing cross talk noise problems on printed interconnection boards | 174/250  | 361/777  | Dick; Carroll J. et al.      |

| US 4654792           | USPAT | 19870331 | Data processing system including data input authorization   | 726/20    |   | Thomas; David C.           |
|----------------------|-------|----------|---|-----------|---|----------------------------|
| A<br>US 4650592<br>A | USPAT | 19870317 | Self lubricating silicon nitride article  | 508/107   | 419/13; 419/27;<br>420/578; 501/97.1;<br>501/97.2; 75/231                                 | Dobbs; Robert J. et al.    |
| US 4650369<br>A      | USPAT | 19870317 | Culvert structure   | 405/126   | 405/150.1   | Thomas; David C. et al.    |
| US 4621983<br>A      | USPAT | 19861111 | Variable capacity wobble plate<br>compressor with improved means<br>for returning lubricating oil to<br>crankcase | 417/222.2 | 417/270   | Thomas; David L. et al.    |
| US 4604502<br>A      | USPAT | 19860805 | Joystick control  | 200/6A    |   | Thomas; David S.           |
| US 4603399<br>A      | USPAT | 19860729 | Data processing apparatus for address substitution  | 711/202   |   | Cheek; Elbert A. et al.    |
| US 4568941<br>A      | USPAT | 19860204 | Cell to word buffer   | 342/185   | 348/442; 708/442  | Thomas; David M. et al.    |
| US 4553905<br>A      | USPAT | 19851119 | Variable capacity wobble plate compressor with high stability of capacity control                                 | 417/222.2 | 417/270   | Swain; James C. et al.     |
| US 4534017<br>A      | USPAT | 19850806 | FET Memory with drift reversal  | 365/149   | 365/178; 365/222  | Thomas; David R. et al.    |
| US 4533299<br>A      | USPAT | 19850806 | Variable capacity wobble plate compressor with prompt capacity control  | 417/222.2 | 417/270   | Swain; James C. et al.     |
| US 4532914<br>A      | USPAT | 19850806 | Portable LP space heater  | 126/110C  | 126/110B; 432/222   | Thomas; David et al.       |
| US 4517304<br>A      | USPAT | 19850514 | Production of viral antigens  | 424/211.1 | 435/29; 435/325;<br>435/371; 435/41;<br>435/5; 436/518;<br>436/811                        | Stott; Edward J. et al.    |
| US 4506748<br>A      | USPAT | 19850326 | Battery shock eliminator  | 180/68.5  | 248/503; 248/636  | Thomas; David A.           |
| US 4492527<br>A      | USPAT | 19850108 | Wobble plate piston pump  | 417/222.2 | 417/270; 92/12.2  | Swain; James C. et al.     |
| US 4481830<br>A      | USPAT | 19841113 | Apparatus for measuring fluid flow  | 73/861.71 | 73/861.73   | Smith; Jack E. et al.      |
| US 4468499<br>A      | USPAT | 19840828 | Thermoplastic interpenetrating polymer network composition and process  | 525/301   | 525/196; 525/445;<br>525/455; 525/479;<br>525/903; 525/93                                 | Siegfried; David L. et al. |
| US 4467137<br>A      | USPAT | 19840821 | Cable breakout article  | 174/87    | 156/49; 156/56;<br>156/86; 174/88R;<br>174/DIG.8;<br>428/34.1; 428/35.7                   | Jonathan; Paget et al.     |
| US 4464626<br>A      | USPAT | 19840807 | Mounting structure for dial and pointer electrical instruments  | 324/156   | 324/153;<br>340/815.78; 361/666   | Thomas; David E. et al.    |
| US 4463109<br>A      | USPAT | 19840731 | Asbestos free jointing  | 523/333   | 524/426; 524/427;<br>524/494  | Green; David et al.        |
| US 4458104<br>A      | USPAT | 19840703 | Dimensionally recoverable articles  | 174/88R   | 156/49; 156/56;<br>156/86; 174/92;<br>174/DIG.8; 428/174;<br>428/179; 428/35.1;<br>428/99 | Penneck; Richard J. et al. |
| US 4446519<br>A      | USPAT | 19840501 | Method and apparatus for providing security for computer  | 711/164   |   | Thomas; David C.           |

|                 |       |          | software   | 100/161    | 204/204 200/20   |                           |
|-----------------|-------|----------|--|------------|--|---------------------------|
| US 4444824<br>A | USPAT | 19840424 | Protective packaging material  | 428/161    | 224/906; 229/93;<br>428/182; 428/184;<br>428/191; 428/192                                  | Collingwood; David S.     |
| US 4444063<br>A | USPAT | 19840424 | Torque measuring systems   | 73/862.326 | 439/48; 439/67;<br>702/41; 73/862.328  | Snowden; David C. et al.  |
| US 4438694<br>A | USPAT | 19840327 | Gravure color printing press   | 101/152    | 101/178; 101/185;<br>101/247   | Parkins; David W. et al.  |
| US 4423781<br>A | USPAT | 19840103 | Method of using a spacer system in brine completion of wellbores               | 166/312    | 507/928  | Thomas; David C.          |
| US 4364446<br>A | USPAT | 19821221 | Generating pulses  | 181/120    | 181/113; 367/144   | Thomas; David L. et al.   |
| US 4363616<br>A | USPAT | 19821214 | Machine and part therefor  | 425/339    | 264/286; 425/369;<br>425/385   | Thomas; David H.          |
| US 4349827<br>A | USPAT | 19820914 | Parabolic antenna with horn feed array   | 343/786    | 343/840  | Bixler; Stephen D. et al. |
| US 4348678<br>A | USPAT | 19820907 | Antenna with a curved lens and feed probes spaced on a curved surface          | 343/754    | 342/368  | Thomas; David T.          |
| US 4324347<br>A | USPAT | 19820413 | Seed drill apparatus   | 221/237    | 221/266; 221/267;<br>221/303   | Thomas; David W.          |
| US 4314612<br>A | USPAT | 19820209 | Hydraulic linear impact tool   | 173/204    | 91/291   | Thomas; David L. et al.   |
| US 4301570<br>A | USPAT | 19811124 | Door check and holding device for a motor vehicle                              | 16/85      |  | Thomas; David H.          |
| US 4245222<br>A | USPAT | 19810113 | Dual function antenna  | 343/708    | 343/725; 343/770   | Eng; Edward et al.        |
| US 4197673<br>A | USPAT | 19800415 | Plant, shrub and tree protector garden panel                                   | 47/23.2    |  | Thomas; David V.          |
| US 4194896<br>A | USPAT | 19800325 | Method and apparatus for forming glass filaments                               | 65/377     | 226/91; 226/92;<br>65/381; 65/382;<br>65/443; 65/479;<br>65/480; 65/486;<br>65/536; 83/913 | Symborski; Alex P. et al. |
| US 4173234<br>A | USPAT | 19791106 | Transfer valve   | 137/625.47 | 251/175; 251/181   | Thomas; David F. et al.   |
| US 4163653<br>A | USPAT | 19790807 | Method and apparatus for forming and collecting discrete fibers and/or strands | 65/381     | 65/377; 65/479;<br>65/480; 65/486;<br>83/913   | Symborski; Alex P. et al. |
| US 4116540<br>A | USPAT | 19780926 | Non-perverting mirror  | 359/869    | 428/912.2; D25/103;<br>D6/300  | Thomas; David E.          |
| US 4109514<br>A | USPAT | 19780829 | Rheometer and uses thereof   | 73/54.22   | 73/150R  | Thomas; David H.          |
| US 4102837<br>A | USPAT | 19780725 | Unsaturated polyester resin composition comprising polypropylene adipate       | 524/604    | 428/431; 524/601;<br>525/34; 525/35;<br>525/38; 525/39;<br>525/40                          | Thomas; David<br>Hamilton |
| US 4094810<br>A | USPAT | 19780613 | Aqueous slurry of ash concentrate composition and process for producing same   | 516/88     | 406/197; 44/280;<br>516/96   | Thomas; David C.          |
| US 4092848<br>A | USPAT | 19780606 | Method and apparatus for determining hydrocyclone interior wear                | 73/86      | 33/501   | Thomas; David Charles     |
| US 4075032<br>A | USPAT | 19780221 | Antimony oxide pigment and process of manufacture                              | 106/441    | 106/455  | Thomas; David Charles     |

| US 4046538<br>A | USPAT | 19770906 | Oscillating mechanism and method of and means for promoting motion accuracy of the mechanism in a fiber forming operation | 65/475    | 156/62.4; 226/168;<br>264/112; 425/6;<br>65/505; 65/535;<br>74/512; 74/513                                       | Thomas; David<br>Whitfield   |
|-----------------|-------|----------|---|-----------|--|------------------------------|
| US 4046023<br>A | USPAT | 19770906 | Adjusting mechanism for transmission band tensioner   | 474/31    | 474/117; 474/46  | Henle; Richard G. et al.     |
| US 4034194<br>A | USPAT | 19770705 | Method and apparatus for testing data processing machines   | 714/31    | 708/530; 714/46  | Thomas; David E. et al.      |
| US 3997282<br>A | USPAT | 19761214 | Pump pressure control device  | 417/34    |  | Thomas; David F. et al.      |
| US 3978805<br>A | USPAT | 19760907 | Stabilized floating platforms   | 114/264   | 114/123; 441/28  | Thomas; David G.             |
| US 3976569<br>A | USPAT | 19760824 | Water softening process   | 210/724   | 210/714; 210/726   | Sheppard; John D. et al.     |
| US 3961642<br>A | USPAT | 19760608 | Fire hydrant valve rod coupling   | 137/272   | 137/797; 403/2;<br>403/312; 403/344  | Thomas; David F. et al.      |
| US 3961287<br>A | USPAT | 19760601 | Amplitude modulated transmitter   | 332/162   | 332/178  | Cacciola; John et al.        |
| US 3955677<br>A | USPAT | 19760511 | Cornerboard protector   | 206/453   | 156/211; 206/586;<br>229/931   | Collingwood; David S.        |
| US 3926799<br>A | USPAT | 19751216 | Support for dynamic membrane  | 210/653   | 210/500.21;<br>210/500.23; 427/245   | Thomas; David G. et al.      |
| US 3920109<br>A | USPAT | 19751118 | Gear shift with positive lock means   | 192/114R  | 192/114T   | Thomas; David F. et al.      |
| US 3876442<br>A | USPAT | 19750408 | Process of treating titanium dioxide pigment  | 106/446   |  | Thomas; David Charles        |
| US 3850590<br>A | USPAT | 19741126 | AN ABRASIVE TOOL COMPRISING A CONTINUOUS POROUS MATRIX OF SINTERED METAL INFILTRATED BY A CONTINUOUS SYNTHETIC RESIN      | 51/298    | 51/295; 51/309   | Chalkley; Jack Rigler et al. |
| US 3833404<br>A | USPAT | 19740903 | VIBRATION OR SOUND<br>DAMPING COATING FOR<br>VIBRATORY STRUCTURES   | 428/413   | 181/207; 181/290;<br>427/333; 427/336;<br>428/520; 522/125;<br>522/181; 522/186;<br>525/119; 525/227;<br>525/903 | Sperling; Leslie H. et al.   |
| US 3827009<br>A | USPAT | 19740730 | ELECTRIC SWITCHING DEVICES  | 337/77    | 337/51; 337/99   | Thomas; David Ellis          |
| US 3822964<br>A | USPAT | 19740709 | ICE CREAM PUMP  | 417/44.2  | 62/306   | Berglund; Harold A. et al.   |
| US 3776667<br>A | USPAT | 19731204 | ICE CREAM PUMP  | 417/454   | 417/536; 92/128  | Berglund; Harold A. et al.   |
| US 3766560<br>A | USPAT | 19731016 | RADIO RECEIVING APPARATUS FOR LOCATING A PLURALITY OF TARGET TRANSMITTERS   | 342/428   |  | Bornhorst; Kenneth F. et al. |
| US 3748394<br>A | USPAT | 19730724 | CONFERENCE FACILITIES FOR A TDM EXCHANGE  | 370/263   | 370/372  | Thomas; David Michael        |
| US 3739588<br>A | USPAT | 19730619 | RESILIENT RETAINING WALL  | 405/262   | 405/285  | Schroter; Richard C. et al.  |
| US 3723690      | USPAT | 19730327 | SPARK EROSION OF  | 219/69.17 | 219/137R; 219/384  | Nakada; Yoshinao et al.      |

| Α               |       |                      | MATERIALS  |           |  |                               |
|-----------------|-------|----------------------|--|-----------|--|-------------------------------|
| US 3697197<br>A | USPAT | 19721010             | ICE CREAM PUMP   | 417/360   | 417/415  | Berglund; Harold A. et al.    |
| US 3686441<br>A | USPAT | 19720822             | TDM FAULT DETECTOR   | 370/244   | 370/360; 370/388   | Thomas; David M.              |
| US 3682158<br>A | USPAT | 19720808             | HOLDER FOR STARTER FUEL<br>IN FIREPLACE GRATE  | 126/540   |  | Thomas; David L.              |
| US 3673336<br>A | USPAT | 19720627             | TIME DIVISION MULTIPLEX SWITCHES   | 370/362   | 370/371  | Thomas; David Michael         |
| US 3652799<br>A | USPAT | 19720328             | FRAME SYNCHRONIZATION SYSTEM   | 370/512   | 370/514; 375/362   | Thomas; David M.              |
| US 3651699<br>A | USPAT | 19720328             | VEHICLE WINDSCREEN WIPING MECHANISMS   | 74/109    | 15/250.21;<br>15/250.23; 15/250.3;<br>475/11                       | Thomas; David et al.          |
| US 3650156<br>A | USPAT | 19720321             | ADJUSTABLE STOP FOR INPUT SHAFT  | 74/10.2   | 192/141; 74/436;<br>74/526   | Thomas; David Carl            |
| US 3630738<br>A | USPAT | 19711228             | BRIGHTENING AGENTS   | 430/564   | 430/139; 430/931;<br>430/933; 548/153                              | Dear; Kenneth M. et al.       |
| US 3627805<br>A | USPAT | 19711214             | PREPARATION OF CYCLIC SILOXANES  | 556/460   |  | Thomas; David Randall et al.  |
| US 3604823<br>A | USPAT | 19710914             | VANE TRACKING IN ROTARY DEVICES  | 418/26    | 418/150  | Thomas; David L.              |
| US 3593046<br>A | USPAT | 19710713             | COMMUNICATION SYSTEM INCLUDING A PLURALITY OF SEMICONDUCTIVE CIRCUIT ARRANGEMENTS USING GUNN EFFECT DEVICES    | 327/574   | 257/8; 257/E27.003;<br>257/E47.002; 455/91                         | Sandbank; Carl Peter et al.   |
| US 3586856<br>A | USPAT | 19710622             | RADIATION DETECTOR USING ISOELECTRONIC TRAP MATERIAL   | 250/361R  | 250/214.1  | Brown; Walter L. et al.       |
| US 3586782<br>A | USPAT | 19710622             | TELECOMMUNICATION<br>LOOP SYSTEM   | 370/460   | 370/452; 370/519   | Thomas; David Lane            |
| US 3586019<br>A | USPAT | 19710622             | FIRE HYDRANT   | 137/68.14 | 137/307; 251/268;<br>285/3; 403/2;<br>403/306; 403/336;<br>403/337 | Thomas; David F. et al.       |
| US 3582706<br>A | USPAT | 19710601             | DEFLECTION SYSTEM FOR CATHODE-RAY TUBES  | 315/403   |  | Thomas; David Hartley         |
| US 3568766<br>A | USPAT | 19710309             | CORRUGATED HEAT EXCHANGE MEMBER FOR EVAPORATION AND CONDENSATION   | 165/181   | 159/28.1; 202/236  | Thomas; David G.              |
| US 3547208<br>A | USPAT | 19701215             | PERCUSSIVE TOOL [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]   | 173/136   | 173/105; 173/212   | THOMAS DAVID L et al.         |
| US 3535414<br>A | USPAT | 19701020             | PROCESS FOR STAMPING<br>SOAP TABLETS AND THE<br>LIKE [TEXT AVAILABLE IN<br>USOCR DATABASE]                     | 264/161   | 264/163  | MOSES BERNARD<br>CECIL et al. |
| US 3514232<br>A | USPAT | 19700526<br>19691125 | VARIABLE DISPLACEMENT TURBINE-SPEED HYDROSTATIC PUMP [TEXT AVAILABLE IN USOCR DATABASE] POLYMERISATION PROCESS | 418/27    | 418/147; 418/156   | MITCHELL ROBERT<br>K et al.   |
| 03 3400002      | USFAI | 17071123             | I OUT MEMORITON PROCESS  | 320/200   | 3201330  | LIBERGROWDIE                  |

| Α               |       |          | [TEXT AVAILABLE IN USOCR  | _       |   | MALCOLM JAMES et              |
|-----------------|-------|----------|---|---------|---|-------------------------------|
|                 |       |          | DATABASE]   |         |   | al.                           |
| US 3476877<br>A | USPAT | 19691104 | SPACECRAFT TELEPRINTER USING THERMAL PRINTING TECHNIQUES [TEXT AVAILABLE IN USOCR DATABASE]                                   | 178/23R | 178/30; 347/211   | PERKINS PAUL E et al.         |
| US 3465476<br>A | ÜSPAT | 19690909 | SAFETY ARRANGEMENTS FOR POWER OPERATED WINDOWS IN ROAD VEHICLES [TEXT AVAILABLE IN USOCR DATABASE]                            | 49/28   | 200/61.71   | THOMAS DAVID et al.           |
| US 3462630<br>A | USPAT | 19690819 | ELECTROLUMINESCENT MATERIAL AND DEVICE [TEXT AVAILABLE IN USOCR DATABASE]   | 313/499 | 148/DIG.64;<br>257/E33.046;<br>427/66; 427/69   | CUTHBERT JOHN D et al.        |
| US 3462320<br>A | USPAT | 19690819 | SOLUTION GROWTH OF<br>NITROGEN DOPED GALLIUM<br>PHOSPHIDE [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                            | 438/492 | 117/79; 117/955;<br>148/DIG.107;<br>148/DIG.119;<br>23/301; 252/62.3R;<br>252/950; 257/103;<br>423/299; 438/22                                  | LYNCH ROBERT T et al.         |
| US 3449804<br>A | USPAT | 19690617 | APPARATUS FOR STAMPING<br>SOAP TABLETS AND THE<br>LIKE [TEXT AVAILABLE IN<br>USOCR DATABASE]                                  | 425/299 | 264/163; 264/320  | MOSES BERNARD<br>CECIL et al. |
| US 3444495<br>A | USPAT | 19690513 | SUPERCONDUCTORS [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]  | 336/223 | 174/125.1;<br>257/E39.017;<br>335/216; 336/225;<br>336/DIG.1; 505/880;<br>505/887   | THOMAS DAVID<br>BRYNMOR       |
| US 3441834<br>A | USPAT | 19690429 | TEMPERATURE COMPENSATION CIRCUIT FOR A DIFFERENTIAL TRANSFORMER [TEXT AVAILABLE IN USOCR DATABASE]                            | 323/347 | 340/870.17;<br>340/870.35   | THOMAS DAVID W et al.         |
| US 3439974<br>A | USPAT | 19690422 | TUNABLE LIGHT FILTER [TEXT AVAILABLE IN USOCR DATABASE]   | 359/485 | 359/288; 359/483;<br>359/498  | HENRY CHARLES H et al.        |
| US 3420471<br>A | USPAT | 19690107 | JET SHOES [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]  | 244/4A  | 180/181   | LOUNSBERRY<br>ERNEST D et al. |
| US 3414441<br>A | USPAT | 19681203 | Electroluminescent junction device including a bismuth doped group iii(a)-v(a) composition [TEXT AVAILABLE IN USOCR DATABASE] | 148/33  | 148/33.4;<br>148/DIG.107;<br>252/62.3GA; 257/99;<br>257/E21.117;<br>257/E27.121;<br>257/E29.093;<br>257/E33.006;<br>438/46; 438/569;<br>438/918 | MURRAY<br>GERSHENZON et al.   |
| US 3413506<br>A | USPAT | 19681126 | Znte:o electroluminescent device<br>[TEXT AVAILABLE IN USOCR<br>DATABASE]   | 313/499 | 257/103   | HOPFIELD JOHN J et al.        |

| US 3407742<br>A | USPAT | 19681029 | Variable-displacement turbine-<br>speed hydrostatic pump [TEXT<br>AVAILABLE IN USOCR<br>DATABASE] | 418/31    | 418/147; 418/268                                   | MITCHELL ROBERT<br>K et al. |
|-----------------|-------|----------|---|-----------|--|-----------------------------|
| US 3399283<br>A | USPAT | 19680827 | Manually controlled electric time switch [TEXT AVAILABLE IN USOCR DATABASE]                       | 200/39R   | 968/616; 968/DIG.1                                 | THOMAS DAVID E              |
| US 3381485<br>A | USPAT | 19680507 | General purpose underwater manipulating system [TEXT AVAILABLE IN USOCR DATABASE]                 | 405/191   | 414/626  | CROOKS RALPH K et al.       |
| US 3358750<br>A | USPAT | 19671219 | Condenser tube [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]   | 165/177   | 165/110; 165/115;<br>165/183; 165/913;<br>62/285   | THOMAS DAVID G              |
| US 3355538<br>A | USPAT | 19671128 | Radar landmass simulator [TEXT AVAILABLE IN USOCR DATABASE]                                       | 434/4     | 382/270  | THOMAS DAVID E et al.       |
| US 3351329<br>A | USPAT | 19671107 | Wire coating oven apparatus [TEXT AVAILABLE IN USOCR DATABASE]                                    | 432/72    | 34/62; 34/630;<br>34/68; 432/144;<br>432/65; 432/8 | THOMAS DAVID W              |
| US 3302701<br>A | USPAT | 19670207 | Turbulence promoter for increased heat and mass transfer [TEXT AVAILABLE IN USOCR DATABASE]       | 165/109.1 | 138/38; 165/174;<br>165/179;<br>165/DIG.529        | THOMAS DAVID G              |
| US 3290598<br>A | USPAT | 19661206 | Microwave anechoic chamber [TEXT AVAILABLE IN USOCR DATABASE]                                     | 455/67.12 | 342/4; 455/300                                     | THOMAS DAVID W              |
| US 3289695<br>A | USPAT | 19661206 | Centrifugal pump transfer valve [TEXT AVAILABLE IN USOCR DATABASE]                                | 137/554   | 251/129.03; 251/81;<br>74/89.18                    | THOMAS DAVID F et al.       |
| US 3279779<br>A | USPAT | 19661018 | Combined disc and elastomeric spring [TEXT AVAILABLE IN USOCR DATABASE]                           | 267/153   | 267/259; 267/292                                   | KLOSS JOHN W et al.         |
| US 3274955<br>A | USPAT | 19660927 | Resilient roller bearing adapter [TEXT AVAILABLE IN USOCR DATABASE]                               | 105/224.1 | 384/582  | THOMAS DAVID G              |
| US 3257969<br>A | USPAT | 19660628 | Railway car center plate [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                                 | 105/199.4 | 105/200; 267/280;<br>267/3; 384/421                | THOMAS DAVID G              |
| US 3246706<br>A | USPAT | 19660419 | Rock drilling apparatus [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                                  | 173/147   | 173/33; 173/36                                     | ALBERT FEUCHT et al.        |
| US 3244107<br>A | USPAT | 19660405 | Pressure regulating systems [TEXT AVAILABLE IN USOCR DATABASE]                                    | 417/34    | 91/52; 91/6  | THOMAS DAVID F              |
| US 3241628<br>A | USPAT | 19660322 | Vehicle auxiliary hydraulic<br>creeper drive [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]             | 180/53.2  | 180/53.4; 74/15.8                                  | THOMAS DAVID F              |
| US 3230711<br>A | USPAT | 19660125 | Hydraulic motor means [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                                    | 60/371    | 173/105; 173/85;<br>60/378; 91/224                 | SWAIN JAMES C et al.        |
| US 3222111<br>A | USPAT | 19651207 | Railroad journal wedge [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                                   | 384/191.4 |  | THOMAS DAVID G              |

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| US 3189149<br>A | USPAT | 19650615 | Electric shift for clutch [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                                     | 192/82R   | 192/40; 192/99S   | THOMAS DAVID F et al.  |
|-----------------|-------|----------|--|-----------|---|------------------------|
| US 3098682<br>A | USPAT | 19630723 | Railway journal bearing [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                                       | 384/191.4 |   | THOMAS DAVID G         |
| US 3079605<br>A | USPAT | 19630226 | Centrifugal pump with double mechanical seal [TEXT AVAILABLE IN USOCR DATABASE]                        | 277/369   | 277/371; 277/387;<br>277/408; 277/928;<br>415/122.1                           | THOMAS DAVID F et al.  |
| US 3078966<br>A | USPAT | 19630226 | Damper [TEXT AVAILABLE IN USOCR DATABASE]  | 188/298   |   | THOMAS DAVID G         |
| US 3073624<br>A | USPAT | 19630115 | Fifth wheel coupler [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]   | 280/438.1 |   | THOMAS DAVID G         |
| US 3059117<br>A | USPAT | 19621016 | Optical maser [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]   | 372/44.01 | 250/214.1; 250/229;<br>250/338.1;<br>250/458.1; 257/98;<br>359/344; 359/345   | BOYLE WILLARD S et al. |
| US 3031034<br>A | USPAT | 19620424 | Damper [TEXT AVAILABLE IN USOCR DATABASE]  | 188/381   | 188/129; 267/153  | THOMAS DAVID G         |
| US 2995092<br>A | USPAT | 19610808 | Centrifugal fire pump [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]   | 415/94    | 137/565.29;<br>415/122.1; 415/99  | THOMAS DAVID F et al.  |
| US 2988189<br>A | USPAT | 19610613 | Electro-matic shift for fire pumps [TEXT AVAILABLE IN USOCR DATABASE]                                  | 192/99S   | 192/40; 192/83;<br>192/84.92; 74/333  | THOMAS DAVID F et al.  |
| US 2983479<br>A | USPAT | 19610509 | Discharge valve and operating mechanism [TEXT AVAILABLE IN USOCR DATABASE]                             | 251/250   | 251/172; 251/297;<br>74/109; 74/422;<br>74/503; 74/89.18                      | THOMAS DAVID F         |
| US 2975715<br>A | USPAT | 19610321 | Crash truck pumps [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]   | 415/106   |   | THOMAS DAVID F et al.  |
| US 2961968<br>A | USPAT | 19601129 | Centrifugal pump and priming pump assembly [TEXT AVAILABLE IN USOCR DATABASE]                          | 417/62    | 415/102; 415/145;<br>415/167.1;<br>415/199.1; 417/201                         | HILL ROBERT A et al.   |
| US 2906290<br>A | USPAT | 19590929 | Valve for use with gases contaminated with nuclear fission products [TEXT AVAILABLE IN USOCR DATABASE] | 137/597   | 137/625.11;<br>250/336.1; 376/203;<br>376/253;<br>976/DIG.224;<br>976/DIG.226 | HARDING JOHN K et al.  |
| US 2905096<br>A | USPAT | 19590922 | Pumps [TEXT AVAILABLE IN USOCR DATABASE]   | 418/151   |   | THOMAS DAVID F et al.  |
| US 2900918<br>A | USPAT | 19590825 | Electrically operated transfer valve for centrifugal pump [TEXT AVAILABLE IN USOCR DATABASE]           | 415/145   | 137/554;<br>251/129.12;<br>415/149.1; 415/150;<br>415/167.1                   | THOMAS DAVID F et al.  |
| US 2894531<br>A | USPAT | 19590714 | Pressure relief valve [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]   | 137/489   | 137/495; 251/26;<br>251/337   | THOMAS DAVID F et al.  |
| US 2823450<br>A | USPAT | 19580218 | Hydraulic hydrant disassembly wrench [TEXT AVAILABLE IN USOCR DATABASE]                                | 29/240    | 81/57.35; 81/57.44;<br>81/90.9; 81/91.3                                       | THOMAS DAVID F         |
| US 2816159      | USPAT | 19571210 | Electronic display system with   | 345/11    | 315/9; 330/157;   | THOMAS DAVID C et      |

| A               |       |          | phase changing non-linear output<br>amplifier [TEXT AVAILABLE<br>IN USOCR DATABASE] |           | 330/164; 330/194                       | al.                     |
|-----------------|-------|----------|---|-----------|--|-------------------------|
| US 2800295<br>A | USPAT | 19570723 | Ball type valve [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                            | 251/290   | 251/172; 251/98                        | THOMAS DAVID F et al.   |
| US 2795236<br>A | USPAT | 19570611 | Vacuum primer [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                              | 137/202   | 137/400; 137/446;<br>415/24            | THOMAS DAVID F et al.   |
| US 2790393<br>A | USPAT | 19570430 | Priming valve assembly [TEXT AVAILABLE IN USOCR DATABASE]                           | 417/201   | 251/324; 417/316;<br>417/374           | HILL ROBERT A et al.    |
| US 2782382<br>A | USPAT | 19570219 | Attenuator for surface wave propagation [TEXT AVAILABLE IN USOCR DATABASE]          | 333/81B   |  | CLAVIER ANDRE G et al.  |
| US 2781000<br>A | USPAT | 19570212 | Foam pump [TEXT AVAILABLE IN USOCR DATABASE]  | 418/15    | 418/151; 418/252;<br>418/47            | THOMAS DAVID F et al.   |
| US 2770783<br>A | USPAT | 19561113 | Surface wave transmission line [TEXT AVAILABLE IN USOCR DATABASE]                   | 333/240   | 367/176                                | CLAVIER ANDRE G et al.  |
| US 2757616<br>A | USPAT | 19560807 | Priming valve for a centrifugal pump [TEXT AVAILABLE IN USOCR DATABASE]             | 417/200   | 137/512; 137/512.3;<br>417/202         | HILL ROBERT A et al.    |
| US 2750894<br>A | USPAT | 19560619 | Centrifugal pump [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                           | 415/111   |  | THOMAS DAVID F et al.   |
| US 2750893<br>A | USPAT | 19560619 | Fire pump [TEXT AVAILABLE IN USOCR DATABASE]  | 415/94    | 415/100; 415/145;<br>415/167.1; 415/93 | THOMAS DAVID F et al.   |
| US 2736866<br>A | USPAT | 19560228 | Filter for transmission line [TEXT AVAILABLE IN USOCR DATABASE]                     | 333/208   | 333/34                                 | CLAVIER ANDRE G et al.  |
| US 2723378<br>A | USPAT | 19551108 | Transmission line system [TEXT AVAILABLE IN USOCR DATABASE]                         | 333/135   | 307/3; 333/109;<br>333/137; 333/240    | CLAVIER ANDRE G et al.  |
| US 2684113<br>A | USPAT | 19540720 | Percussion type tire bead loosening tool [TEXT AVAILABLE IN USOCR DATABASE]         | 157/1.17  |  | THOMAS DAVIDSON         |
| US 2683420<br>A | USPAT | 19540713 | Primer pump [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                                | 417/202   | 417/319; 417/374                       | HILL ROBERT A et al.    |
| US 2672823<br>A | USPAT | 19540323 | Rotary pump [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                                | 418/206.7 | 277/557; 277/562                       | THOMSON LEROY A et al.  |
| US 2663847<br>A | USPAT | 19531222 | Phase changer [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                              | 333/156   | 333/157; 333/248;<br>333/253           | CLAVIER ANDRE G et al.  |
| US 2642808<br>A | USPAT | 19530623 | Sanitary pump [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                              | 418/206.1 | 418/70                                 | THOMAS DAVID F          |
| US 2391055<br>A | USPAT | 19451218 | Polymerized cable blocks [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                   | 156/48    | 174/23C; 264/101;<br>264/28; 264/85    | KOMIVES LASZLO I et al. |
| US 2348663<br>A | USPAT | 19440509 | Method of forming sheet metal articles [TEXT AVAILABLE IN                           | 72/324    | 72/358                                 | THOMAS DAVID W          |

|                 |       |          | USOCR DATABASE]   |            |   | <del></del>                    |
|-----------------|-------|----------|---|------------|---|--------------------------------|
| US 2327147<br>A | USPAT | 19430817 | Anchoring device for awnings [TEXT AVAILABLE IN USOCR DATABASE]               | 160/81     | 160/387; 160/404;<br>24/265A; 24/703.5  | WORTHINGTON<br>GEORGE Y et al. |
| US 2313181<br>A | USPAT | 19430309 | Ironing board [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                        | 38/137     | 38/66                                   | THOMAS DAVID W                 |
| US 2281729<br>A | USPAT | 19420505 | Metal ironing board [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                  | 38/137     | D32/66                                  | THOMAS DAVID W                 |
| US 2222748<br>A | USPAT | 19401126 | Fluid stop for power cables [TEXT AVAILABLE IN USOCR DATABASE]                | 156/48     | 174/20; 174/23C                         | KOMIVES LASZLO J et al.        |
| US 2192286<br>A | USPAT | 19400305 | Tester for insulation tracking [TEXT AVAILABLE IN USOCR DATABASE]             | 324/554    |   | GALBRAITH RALPH<br>A et al.    |
| US 2130701<br>A | USPAT | 19380920 | Sealing ring [TEXT AVAILABLE IN USOCR DATABASE]                               | 220/321    | 292/256.65                              | THOMAS DAVID W                 |
| US 2093787<br>A | USPAT | 19370921 | Ring seal closure [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                    | 292/256.69 |   | THOMAS DAVID W                 |
| US 2091294<br>A | USPAT | 19370831 | Closure for steel drums [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]              | 292/256.65 |   | EVOR WILLIAMS et al.           |
| US 2054105<br>A | USPAT | 19360915 | Ring seal for barrels [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                | 292/256.69 |   | THOMAS DAVID W                 |
| US 1980364<br>A | USPAT | 19341113 | Pipe protector [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                       | 138/96R    |   | THOMAS DAVID W                 |
| US 1915769<br>A | USPAT | 19330627 | Steering wheel [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                       | 74/552     | 29/894.1                                | THOMAS DAVID W                 |
| US 1889939<br>A | USPAT | 19321206 | Trailer [TEXT AVAILABLE IN USOCR DATABASE]                                    | 280/80.1   | 267/251;<br>280/124.128;<br>280/124.179 | THOMAS DAVID R                 |
| US 1837345<br>A | USPAT | 19311222 | Closure for cylindrical members [TEXT AVAILABLE IN USOCR DATABASE]            | 138/96R    | 138/89; 220/804                         | THOMAS DAVID W                 |
| US 1824332<br>A | USPAT | 19310922 | Brake [TEXT AVAILABLE IN USOCR DATABASE]                                      | 188/72.3   | 188/72.8                                | DIXON WALTER F et al.          |
| US 1808440<br>A | USPAT | 19310602 | Steering wheel [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                       | 74/552     | 16/432; 29/894.1                        | THOMAS DAVID W                 |
| US 1786463<br>A | USPAT | 19301230 | Trailer construction [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                 | 105/159    | 280/435; 410/56                         | THOMAS DAVID R                 |
| US 1765807<br>A | USPAT | 19300624 | Apparatus for making flanged metal spiders [TEXT AVAILABLE IN USOCR DATABASE] | 72/466.9   | 72/475; 72/478;<br>72/481.8             | THOMAS DAVID W                 |
| US 1706638<br>A | USPAT | 19290326 | Metal container [TEXT<br>AVAILABLE IN USOCR<br>DATABASE]                      | 220/309.2  | 206/508; 220/310.1                      | THOMAS DAVID W                 |
| US 1602339      | USPAT | 19261005 | Wagon [TEXT AVAILABLE IN  | 298/27     | 105/282.3                               | THOMAS DAVIDSON                |

| Α          |       |          | USOCR DATABASE]             |         |                |
|------------|-------|----------|-----------------------------|---------|----------------|
| US 1536540 | USPAT | 19250505 | Finger ring [TEXT AVAILABLE | 63/15.3 | THOMAS DAVID S |
| Α          |       |          | IN USOCR DATABASE]          |         |                |